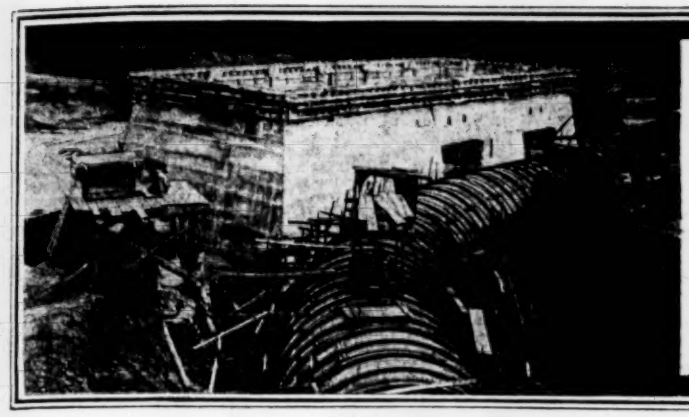

CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Nov. 30	Alma, Mich. Adv. Nov. 18 and 25.	Nov. 18
Dec. 7	Saginaw, Mich.	Nov. 18
Dec. 15	Poughkeepsie, N. Y. Adv. Nov. 18 and 25.	Nov. 18

SEWERS

Dec 1	Thicills, N. Y. Adv. Nov. 18 and 25.	Nov. 18
Dec. 6	Little Falls, Minn.	Nov. 18
Dec. 8	Ossining, N. Y. Adv. Nov. 18 and 25.	Nov. 18

BRIDGES

Nov. 29	Columbus, Kan.	Nov. 18
Nov. 29	Florence, S. C.	Nov. 25
Dec. 1	Columbus, Kan.	Nov. 18
Dec. 1	Greensboro, Ga.	Nov. 25
Dec. 3	Topeka, Kan.	Nov. 18
Dec. 3	Topeka, Kan.	Nov. 25
Dec. 3	Breckenridge, Tex.	Nov. 25
Dec. 7	Chapman, Kan.	Nov. 25
Dec. 7	Grand Rapids, Minn.	Nov. 18
Dec. 8	Manning, S. C.	Nov. 25
Dec. 10	White Springs, Fla. Adv. Nov. 18 and 25.	Nov. 18
Dec. 14	Winnipeg, Man.	Nov. 25
Dec. 17	Detroit, Mich.	Nov. 25
Jan. 8	Miami, Fla. Adv. Nov. 25.	Nov. 18
Feb. 7	Bainbridge, Ga	Nov. 25
Mar. 1	Ontario	Nov. 4

STREETS AND ROADS

Nov. 29	Topeka, Kan.	Nov. 4
Nov. 29	Littlefield, Tex.	Nov. 25
Nov. 30	Georgia	Nov. 11
Nov. 30	Maryland Adv. Nov. 18 and 25.	Nov. 25
Dec. 1	Columbus, Kan.	Nov. 11
Dec. 1	New Jersey Adv. Nov. 18 and 25.	Nov. 18
Dec. 1	Rhode Island Adv. Nov. 18 and 25.	Nov. 18
Dec. 1	Greensboro, Ga.	Nov. 25
Dec. 2	Ft. Myers, Fla.	Nov. 18
Dec. 2	Lockport, Ill. Adv. Nov. 25.	Nov. 25
Dec. 2	Missouri	Nov. 25
Dec. 3	Missouri	Nov. 25
Dec. 4	Indiana	Nov. 25
Dec. 7	Grand Rapids, Minn.	Nov. 18
Dec. 7	Indiana	Nov. 25
Dec. 7	Missouri	Nov. 25
Dec. 8	Creston, Ia.	Nov. 25
Dec. 8	Belvidere, N. J. Adv. Nov. 18 and 25.	Nov. 18
Dec. 10	Florida Adv. Nov. 18 and 25.	Nov. 18
Dec. 10	Missouri	Nov. 25
Jan. 2	Duluth, Minn.	Oct. 28
Jan. 5	Colorado Springs, Col.	Oct. 21
Jan. 10	Stockton, Kan.	Nov. 18
Mar. 30	Westboro, Ont.	Nov. 11

Bids Close		See Eng. News-Record

EXCAVATION AND DREDGING

Nov. 30	Rockwell City, Ia.	Nov. 25
Dec. 15	Clarinda, Ia.	Nov. 25

RAILWAYS

Nov. 30	Quebec	Nov. 11

INDUSTRIAL WORKS

Nov. 30	Marshfield, Wis.	Nov. 18
Dec 1	Metuchen, N. J.	Oct 28

BUILDINGS

Nov. 27	Burlington, N. J.	Nov. 25
Nov. 30	Cleveland, O.	Nov. 25
Dec. 1	Johnstown, Col.	Nov. 11
Dec. 1	Piqua, O.	Nov. 11
Dec. 1	Glasco, Kan.	Nov. 18
Dec. 1	New York, N. Y.	Nov. 18
Dec. 3	Topeka, Kan.	Nov. 18
Dec. 3	Mitchell, S. D.	Nov. 18
Dec. 4	Key West, Fla.	Nov. 18
Dec 4	Hot Springs, Ark.	Nov. 25
Dec. 6	Ossining, N. Y.	Oct. 21
Dec. 6	Atlantic City, N. J.	Nov. 11
Dec. 6	Brooklyn, N. Y.	Nov. 25
Dec. 7	Detroit, Mich.	Nov. 25
Dec. 10	Brooklyn, N. Y.	Oct. 21
Dec. 13	Lakewood (Cleveland P. O.), O.	Nov. 25
Dec. 14	Hyde Park (Boston P. O.), Mass.	Nov. 25
Dec. 14	Storrs (Eagleville P. O.) Conn.	Nov. 25
Dec. 15	Frederic, Wis.	Nov. 18
Dec. 15	Clear Lake, Wis.	Nov. 18
Dec. 15	Pocahontas, Ia.	Nov. 25
Dec. 15	Wabash, Ind.	Nov. 25
Dec. 21	Detroit, Mich.	Nov. 25
Jan. 1	Marietta, O.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 18
Jan. 1	Little Rock, Ark.	Nov. 25
Jan. 1	Chicago, Ill.	Nov. 25
Jan. 2	Duluth, Minn.	Oct. 21
Jan. 2	Duluth, Minn.	Nov. 25
Jan. 2	Duluth, Minn.	Oct 28
Jan. 2	Cortland, N. Y.	Oct. 21
Jan. 2	Hibbing, Minn.	Nov. 4
Jan 2	Aitkin, Minn.	Nov. 11
Jan. 2	Webster, Wis.	Nov. 11
Jan. 4	Greeley, Col.	Nov. 25

FEDERAL GOVERNMENT WORK

Nov. 27	Repairing Plumbing and Heating Systems, etc.—Ft. Slocum, N. Y.	Nov. 25
Nov. 29	Frame Cottage—Denver, Col.	Nov. 25
Nov. 30	Mezzanine Floor — Ft. Wayne, Ind	Nov. 18
Nov. 30	Elevator—Lansing, Mich.	Nov. 18
Dec. 1	Refrigerating Equipment — Spec. 4303—San Diego, Cal	Nov. 11
Dec. 1	Ordnance Buildings—Spec. 4168 –Kuahua, H. T.	Nov. 4
Dec. 1	Freight Elevator—Rockford, Ill.	Nov. 18
Dec. 1	Steam Distributing System —Norfolk, Va.	Nov. 25
Dec. 2	Mezzanine Floor — Chicago, Ill.	Nov. 18
Dec 6	Mailing Vestibule, etc. — Spartansburg, S. C.	Nov. 18

Bids Close		See Eng. News-Record
Dec. 6	Smoke Stack—Washington, D. C. Adv. Nov. 25.	Nov 25
Dec. 8	Remodeling Post Office — Kalamazoo, Mich.	Nov. 25
Dec. 9	Surface Drainage System —Galveston, Tex.	Nov 18
Dec. 10	Mailing Vestibule—Battle Creek, Mich.	Nov 25
Dec. 10	Roofing and Repainting—Phila., Pa.	Nov. 25
Dec. 15	Radio Building—Port Arthur, Tex.	Nov. 25
Dec. 15	Hydraulic Turbine—Florence, Ala. Adv. Nov 18 and 25.	Nov 25
Dec. 15	Gate and Valve Operating Machinery—Louisville, Ky. Adv. Nov. 18 and 25.	Nov. 25
Dec. 16	Alterations, Repairs, Plumbing, etc.—Covington, Ky.	Nov 25
Dec 20	Steel Dump Scows—Louisville, Ky.	Nov. 18

MISCELLANEOUS

Nov. 29	Underground Cables—New York, N. Y	Nov. 18
Dec. 1	Heating Work—Central Islip, New York, N. Y.	Nov. 11
Dec. 1	Refined Asphalt, Binder, Stone, etc. — Brooklyn, N. Y.	Nov. 25
Dec. 10	Water Tube, Boilers and Equipment — Milwaukee, Wis. Adv. Nov. 18 and 25.	Nov. 25
Dec 11	Dock Wall—Buffalo, N. Y. Adv. Nov. 18 and 25.	Nov. 18
Jan. 26	Wall—Chesterville, Ont	Nov. 25

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Altoona—City Comrs. plan to build 30 x 60 ft. concrete reservoir, 15 ft. deep, 200,000 gal. capacity, on 31st Ave. and 12th St., also lay 3,500 ft. 8 in. pipe and install 2 electrically driven, automatically controlled pumps. About $20,000. H. G. Hinkle, city mgr. E. D. Hain, City Hall, engr.

Md., Frostburg—City voted $250,000 bonds to improve water supply system.

N. C., Franklinton—Town plans to build new waterworks system. About $115,000. G. L. Cooke, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Pa., Sharpsburgh (Pittsburgh P. O.)—Boro received bids Nov. 15, building pumping station from Pitt Constr. Co., Fulton Bldg., $41,900; D. T. Riffle, Keenan Bldg., $45,763; Ft. Pitt Constr. Co., Martin Bldg., $46,370; Dravo Contg. Co., Diamond Bank Bldg., $49,000; J. F. Casey Co., Union Arcade Bldg., cost plus percentage basis. All above in Pittsburgh.

Waterworks (Continued)

★**O., Dayton**—Comrs. Montgomery Co. let contract furnishing and laying 30,000 ft. 4-18 in. c.i. water mains in Mt. Auburn Dist., to C. J. Wetzel, 146 Washington St., $195,031. Noted July 15.

★**Minn., Cloquet**—City let contract building water mains and sewers in H Ave. and Laurel St., to Pasret Constr. Co., 308 Sellwood Bldg., Duluth, $12,554.

Sewers

PROPOSED WORK

N. J., Glen Rock (Ridgewood P. O.)—Boro. receives bids in March, building 6 mi. 8-18 in. sewers and sewage disposal plant. About $300,000. H. J. Harder, Paterson, engr.

N. C., Franklinton—Town plans to build sewerage system. About $45,000. G. L. Cook, clk.

O., Silver Lake (Cuyahoga Falls P. O.)—Village plans to build sewer in Hastings Ave., involving 2,100 ft. 8-36 in. vitr. pipe. About $22,000. E. A. Thewksbery, clk. C. W. Courtney, Leader-News Bldg., Cleveland, engr.

Mich., Detroit—City had plans prepared for Michigan Ave. Sewer from Westfield Ave. to point 100 ft. west of Lonyo Rd., involving 2,301 ft. 5-6 ft. cylinder, etc. C. W. Hubbell, city engr.

Wis., Ellsworth—City had preliminary plans prepared furnishing material, excavating and laying 2 mi. sewer in Main St., et al, involving 25,000 ft. 8-15 in. vitr. pipe. About $50,000. Druar & Milenowski, Globe Bldg., St. Paul, engrs.

Ia., Ames—City opens bids in February, building sewage disposal plant and outfalls, to include mains, tank and pumping station. About $125,000. Former bids rejected. P. F. Hophens, Ames, engr. Noted May 13.

Tex., Huston—City voted $100,000 bonds to build sanitary sewerage system. J. C. McVea, city engr. Noted Oct. 14.

Ore., Portland—City had plans prepared and soon receives bids building sewers in Stephen to East 60th Sts., cost $1,474; Polk to Fessenden Sts., $6,531; East 20th St. from Prescott to Alberta Sts., $4,804; Fowler Ave. to proposed sewer of Lombard St. and Willis Blvd., $9,265; Delaware Ave. and Kenton Blvd. Trunk System, $107,783; Killingsworth Ave. and Walnut Park System, $30,016; 52nd St. S. E. and 42nd Ave. System, $13,993; Killingsworth Ave. and Vernon Ave. System, $28,802; Holman St. and East 14th St. System, $52,208. O. Laurgaard, 155 Royal Ct., city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Chicopee**—F. P. Cobb, city engr., let contract completing, Willimansett sewer in McKinstry Ave. and Meadow Rd., segmental block, to D. H. Young, Willimansett. About $165,000. Noted Nov. 4.

★**N. Y., Syracuse**—City let contract building sewer in Hiawatha St., to J. Young, Bastable Blk., $258,551. Noted Nov. 18.

N. J., Paterson—Passaic Valley Sewerage Comn., 128 Market St., Newark, received bids Nov. 16, for earth excav. and refilling in trench for 16 in. c.i. pipe, for portion of Sect. 21, North, Prospect St. Branch Sewer, from Arnolt-More, Inc., 45 Clinton St. Newark, $12,464; L. B. Harrison & Co., 141 Bway., New York City, $31,465; Culp & Co., 386 East 32nd St., $33,448. Noted Nov. 4.

Mich., Detroit—City received bids furnishing labor and material, except iron manholes, rings and covers, buildings 3rd Ave. Sewer (a) Sect. 4, Gubson, Lysander and Commonwealth Aves., from Calumet to Kirby Aves., involving 4,130 ft. 6 ft. 9 in. and 9 ft. 6 in. cylinder, etc., (b) Sect. 5, Commonwealth, Kirby and Marquette Aves., 2,696 ft. 3 x 4 ft. 6 in. 9 ft. cylinder, from J. A. Mercier, 216 Hammond Bldg., (a) $231,975, (b) $127,572; R. A. Mercier, 746 Hammond Bldg., (a) $282,675, (b) $162,420; Jaynes & Affeld, 1208 Ford Bldg., (a) $328,547, (b) $189,220.

Mich., Detroit—City received bids furnishing labor and material for building, finishing and backfilling (a) Lateral Sewer 3,309, (b) 3,314, (c) 3,377, (d) 3,385, (e) 3,386, from Western Constr. Co., 1208 Ford Bldg., (a) $35,361, (b) $29,990, (c) $11,992; Liberty Constr. Co., 917 Chamber of Commerce, (a) $35,740; R. D. Baker, 1454 Penobscot Bldg., (a) $38,000, (c) $13,000, (e) $3,883; W. Blanck & Co., 827 Ford Bldg., (b) $31,630; J. S. Ventrelli, 400 Penobscot Bldg., (b) $32,180, (d) $4,291; Lennane & McIlvenna, Book Bldg., (c) $11,000, (d) $5,750, (e) $3,750; McCordic Constr. Co., Royal Oak, (d) $4,000; R. & S. Constr. Co., 393 Hendricks St., (e) $3,900. Noted Nov. 11.

★**Mich., Detroit**—Dept. Pub. Wks., City Hall, will build Gratiot Ave. Sewer from point 1,100 ft. northeast of Glenfield Ave. to Joann Rd. About $425,000. Work will be done by day labor. Noted Nov. 11.

★**Wis., Fond du Lac**—City let contract furnishing material, excavating and laying 1.1 mi. sanitary and storm sewers in Brooke, Russel, Butler, Hickory, Walnut and West Sibley Sts., to R. Bernett, 389 4th St. About $30,000.

★**Wash., Yakima**—City let contract building concrete sewers in Main and other downtown streets, to R. M. Hardy, Yakima, Sect. D, $54,215, Sect. E, $45,742.

Ore., Portland—City received bids building sewers in East 66th and Stanton Sts., from E. Daruff, concrete pipe, $11,000; Portland Realty & Trust Co., Ry. Exch. Bldg., cement pipe, $12,647; J. F. Shea, 6 North 2nd St., vitr. pipe, $15,043.

Bridges

PROPOSED WORK

North Carolina—State Highway Comn., Raleigh, soon receives bids building 4 bridges on Federal Aid Project 61, New Hanover Co., structural steel with creosoted wood flooring and asphalt wearing surface, cost $83,000; 32 small bridges (16-200 ft. long) on Federal Aid Project 99-"B", Chatham Co., rein.-con., $125,000. W. S. Fallis, state highway engr.

Ga., Blackshear—Pierce Co. plans to build 343 ft. rein.-con. bridge and 8.93 mi. sand clay road. About $130,000. A. W. McWhonter, Waycross, engr.

Ga., Darien—McIntosh Co. plans to build 4,500 ft. bridge over Altamaha River, wood flooring, with 4-mi. approach. Work also includes grading and resurfacing 5 mi. road with shell. About $136,430. B. H. Graff, 401 Natl. Bank Bldg., Savannah, engr.

Mich., Bad Axe—State Highway Comn., at office Bd. Rd. Comrs. Huron Co., rejected bids building substructure of State Reward Bridge 321.501, over Pigeon River, McKinley Twp. Contract for steel superstructure let to Amer. Bridge Co., along tracks of Michigan Central R.R. and Beecher St., $6,455. Noted Oct. 28.

Mich., Detroit—City having plans and estimates made for removing present structure, fabricating and erecting structural steel work, furnishing and placing necessary castings, for 100 ft. bridge, 40 ft. wide, over tracks of Michigan Central Ry., on Howard St., involving rein.-con. flooring and Gunite covering for exposed steel surface. About $55,000. J. Reid, Div. Grade Separation and Bridges, engr.

Wis., Sheboygan—City voted $200,000 bonds to build concrete bridge on 8th St. C. U. Boley, city engr.

Wis., Eau Claire—City and State plan to rebuild 475 ft. bridge on Madison St. About $225,000. J. T. Hurd, city engr.

Kan., Lawrence—Lawrence Co. having plans prepared by P. L. Wolf, Engr., Lawrence, for Belvoir Bridge, to have 150 ft. steel span and rein.-con. abutments.

Tex., Houston—City voted $425,000 bonds to build several bridges. J. C. McVea, city engr. Noted Oct. 14.

BIDS DESIRED

S. C., Florence—Until Nov. 29, by State Highway Comn., Columbia, building bridge on Federal Aid Project 47, Florence Co., involving 188 cu.yd. dry and 293 cu.yd. wet excav., 23,068 lb. steel reinforcement, 2,730 lin.ft. untreated piling, 113.7 cu.yd. Class "A," 138.1 cu.yd. Class "B" and 94.2 cu.yd. Class "C" concrete. Florence Co. will appropriate toward cost. W. S. Lewis, Florence, engr.

Ga., Bainbridge—Until Feb. 7, by M. G. Harrell, chn. Decatur Co. Comrs., building concrete bridge over Flint River. About $250,000. E. J. Smith, Thomasville, engr.

Ga., Greensboro—Until Dec. 1, by Bd. Comrs. Rds. and Revenues Greene and Putnam Counties, building concrete and steel bridge over Oconee River, being part of Federal Aid Project 67, Contract 2. Work involves 741.24 cu.yd. Class "A," 171.75 cu.yd. Class "B" and 53 cu.yd. Class "C" concrete, 2,649 lin.ft. concrete piles, 125,739 lb. structural steel in spans, 50,27[illegible] lb. structural steel stringers, 83,808 lb. reinforcing steel, 74.2 cu.yd. wet and 32 cu.yd. dry excav., 1,344.65 sq.yd. bituminous pavement. R. T. Goodwyn, Court House, Athens, div. engr.

Ga., Greensboro—Until Dec. 1, by Bd. Comrs. Rds. and Revenues, Greene Co., building concrete and steel bridge across Richland Creek, part of Federal Aid Project 67, Contract 3. Work involves 17.2 cu.yd. wet and 48.6 cu.yd. dry excav., 5.6 cu.yd. Class "A" and 18.1 cu.yd. Class "B" concrete, 972.1 lb. reinforcing steel, 8,325 ft. lumber, 5,100 lb. fabricated steel, 32,250 lb. structural steel stringers, 1,515 lb. galvanized pipe and fittings, etc. R. T. Goodwyn, Court House, Athens, div. engr.

S. C., Manning—Until Dec. 8, by Comrs. Clarendon Co., building several creosoted timber bridges on the Manning-Turbeville and Manning-Paxville Rds., total length 1,134 ft. Lee, Pennell & Murray, Sumter, engrs. Noted Oct. 21.

Fla., White Springs—Until Dec. 10, by State Rd. Dept., Tallahassee, building 228 ft. steel truss bridge, over Suwanee River, near here, to have rein.-con. abutments and 20 ft. clear roadway, involving 503 cu.yd. Class "A" concrete, 34,800 lb. reinforcing and 410,000 lb. structural steel, etc. C. A. Browne, Tallahassee, engr.

Mich., Detroit—Until Dec. 17, by Dept. Pub. Wks., building Belle Isle Bridge, 2,200 ft. long, 84 ft. wide, to have 20 concrete and steel spans resting on pile foundations. Bids to be received on 4 groups, (a) involving 26,000 cu.yd. excav., 345,000 lin.ft. wood piling, 34,700 yd. rein.con. footings, 903,000 lb. reinforcing steel, together with docks, sewers, cofferdams, etc.; (b) 3,300 ton structural steel, 20,000 lb. bronze bearings; (c) 28,000 cu.yd. rein.-con., 22,900 sq. yd. concrete paving base, 1,980,000 lb. steel, 74,000 lin.ft. wooden piling, 3,000 cu.yd. wet and dry excav., 220,000 sq.ft. waterproofing, sewers, drains, precast concrete lamp standards, etc; (d) 4,160 lin.ft. metal handrailing, 116 lamp frames. About $3,000,000. Esselstyn, Murphy & Hanford, 810 Marquette Bldg., engrs. Noted Nov. 11.

Kan., Chapman—Until Dec. 7, by Bd. Comn., Dickinson Co. (Abilene), building 160 ft. bridge, 18 ft. wide, here. Alternate bids on steel truss bridge to have two 50 ft. and one 60 ft. girders or Marsh rein.-con. rainbow arch. About $46,000. L. J. Rees, Topeka, engr.

Kan., Topeka—Until Dec. 3, by Bd. Comrs. Shawnee Co., building four 20 ft. span slab bridges, 1-40 ft. T girder span bridge, rein.-con., cost $22,000; one 110 ft. steel span, $10,000; one 3 span bridge, to have two 30 ft. steel girders and 140 ft. span, known as High School Bridge, $30,000. A. C. Lagerwall, Topeka, engr.

Ter., Breckenridge—Until Dec. 3, by W. C. Veale, judge Stephens Co., building 229 ft. bridge, 44 ft. roadway, over Gonzales Creek, at foot of Walker St., to have six 31 ft. and one 43 ft. girders, piers, etc., 6 in. concrete flooring, concrete railing ornamental posts, etc. Work involves 1,249 cu.yd. structural excav., 1,119 sq.yd. bituminous concrete pavement flooring, 175,731 lb. reinforcing steel, 902.22 cu.yd. Class "A" and 201.16 cu.yd. Class "B" concrete, etc. About $78,000. Nagle, Witt-Rollins Eng. Co., co. engrs. Noted Nov. 4.

Man., Winnipeg—Until Dec. 14, by W. P. Brereton, city engr., building 515 ft. bridge over Assiniboine River, on Maryland St. Work involves 2,764 cu.yd. concrete in abutments, 4,526 cu.yd. concrete for arch, 5,164 cu.yd. dry, 2,163 cu.yd. wet and 325 cu.yd. rock excav., 160,000 ft. cofferdam, etc. About $300,000. J. F. Greene, Calgary, Alta, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Vt., Montpelier**—State Highway Dept. let contract building concrete and timber bridge, here, to F. H. Gullds, Springfield. About $15,000.

★**Mass., Greenfield**—Town and Franklin Co. let contract repairing timber bridge over Green River, between here and town of Deerfield, to E. C. Perry, 34 Federal St., Greenfield. About $15,000.

Bridges (Continued)

N. C., Kinston—Comrs. Lenoir Co. received bids building several 30 ft. rein.-con. span bridges, from Luten Bridge Co., Asheville, $62,263; Eagle Eng. Co., New Bern, $71,020; Porter & Boyd, Charlotte, $75,736. Noted Nov. 11.

★**Alabama**—State Highway Dept., Montgomery, let contract building two 175 ft. and two 120 ft. steel spans over Tallapoosa River, near Judkins Ferry, Montgomery and Elmore Counties, to Virginia Bridge & Iron Co., Roanoke, Va., $59,589; 5 concrete piers with 451 lin.ft. concrete approaches, to Sartan, Smith & Dobson, Montgomery, $103,344. Noted Nov. 4.

★**Michigan**—State Highway Comn. Lansing, let contract building Trunk Line Bridge 771,603, over Black Creek, Kenochee Twp., to B. C. Lord, Clayton, $32,550. Noted Nov. 4.

★**Okla., Enid**—City let contract building rein.-con. bridges over Boggy Creek on South Washington and South Adams Sts., to Hyde Constr. Co., Enid, $11,250 and $15,137 respectively. Noted Sept. 30.

Streets and Roads

PROPOSED WORK

Mass., Lynn—City plans to pave various streets. About $50,000. W. L. Vennard, city engr.

W. Va., Grafton—Comrs. Taylor Co. soon receive bids building 2 mi. Blueville-Thornton Rd., waterbound macadam. About $54,000. J. A. Sinsel, co.-engr.

North Carolina—State Highway Comn., Raleigh, soon receives bids improving 3.71 mi. Federal Aid Project 33, between Mt. Gilead and Wadeville, Montgomery Co., involving 1 acre clearing and grubbing, 9,200 cu.yd. common and 700 cu.yd. rock excav., 652 ft. 18-24 in. terra cotta pipe, 61 cu.yd. cement rubble masonry, 8,750 cu. yd. top soiling, etc. About $16,000. W. S. Fallis, state highway engr.

N. C., Burgaw—Comrs. Pender Co. plans to build 15 mi. New Bern-Wilmington Highway, 16 ft. wide, gravel, cost $75,000; 20 mi. Wilmington-Fayetteville Rd., 16 ft. wide, gravel, $135,000. H. C. Scott, Burgaw, engr.

N. C., Dobson—Comrs. Surry Co. plan to build roads. About $75,000. H. Wolfe, clk.

N. C., Greensboro—Guilford Co. election Dec. 14, to vote on $2,000,000 bonds to build roads.

S. C., Columbia—Comrs. Richland Co. plan to build hard surfaced roads in spring. About $2,000,000. J. R. Pennell, Columbia, engr.

Ga., Columbus—City plans to pave various streets. About $500,000. S. Goody, city engr.

Fla., Vero—Town plans election to vote on $40,000 bonds to build 3 mi. asphalt road, 24 ft. wide. Address the Mayor.

Ill., Marion—Carterville Twp., Williamson Co., having plans prepared building 1½ mi. concrete road, 10 ft. wide, south from Carterville. About $50,000. C. M. Sherertz, Marion, engr.

Wis., Green Lake—Green Lake Co. plans to improve Princeton-Montello Rd. from city limits of Princeton westerly, 16 ft. wide, gravel, cost $12,000; Princeton-Neshkoro Rd. from city limits of Princeton north, 16 ft. wide, gravel, $7,500; Princeton—Neshkoro Rd., 16 ft. wide, gravel, $16,500. D. C. Williams, comr.

Ia., Clinton—City plans to pave 6 blocks Main St. About $50,000. L. S. Abbott, city engr.

Ia., Marshalltown—Marshall Co. opens bids in December paving 6 mi. Lincoln Highway, 1½ mi. east and west, and north and south on 3rd Ave. N., and south on Center St. S., 18 ft. wide. About $200,000. H. O. Hickok, Marshalltown, engr.

Minn., Red Lake Falls—Red Lake Co. voted $250,000 bonds to improve roads next year. H. E. Palmer, Red Lake Falls, engr.

South Dakota—State Highway Comn., at office of Clay Co., Vermilion, received bids grading and draining 13.034 mi. Yankton-Vermillion Rd., 36 ft. wide, Federal Aid Project 67, Clay Co., from Stevens Bros., Piedmont Bldg., St. Paul, Minn., $125,004; G. W. Humphrey, Aberdeen, $126,772; W. R. Shipman Constr. Co., Iowa Bldg., Sioux City, Ia., $137,359. Above bids rejected. F. W. Schreiber, Pierre, state highway engr. Noted Oct. 21.

South Dakota—State Highway Dept., Yankton, received bids grading and draining 13.11 mi. Yankton-Vermilion Rd., 36 ft. wide, Federal Aid Project 65, Yankton Co., from Steven Bros., Piedmont Bldg., St. Paul, Minn., $67,656; W. R. Shipman Constr. Co., Iowa Bldg., Sioux City, Ia., $73,035; G. W. Humphrey, Aberdeen, $80,823. Above bids rejected. F. W. Schreiber, Pierre, state highway engr. Noted Oct. 21.

Montana—State Highway Dept., Helena, rejected bids building 5 mi. Federal Aid Project 88, Sanders Co. About $30,000. Noted Oct. 28.

Missouri—State Highway Dept., Jefferson City, plans to build 8.24 mi. Potosi-Steelville Rd., between Walton and Breton Twps., Federal Aid Project 160, Washington Co., involving 48,000 cu.yd. earth and 700 cu.yd. rock excav., construction of culverts, cost $43,093; 7.2 mi. Lamai-Springfield Rd. (Rock Prairie Twp. Sect.), Federal Aid Project 159, Dade Co., 150 cu.yd. rock and 25,478 cu.yd. earth excav., 43,488 sq.yd. macadam surfacing, 16 culverts, etc., $37,640; 7.7 mi Lamai-Springfield Rd., (Polk Twp. Sect.), Federal Aid Project 159, Dade Co., 500 cu.yd. rock and 26,926 cu.yd. earth excav., 19 new culverts, extensions to 4 old culverts, 1 concrete bridge, to have two 20 ft. spans, $25,240; 7.21 mi. Springfield-Hollister Rd., Federal Aid Project 134, Stone Co., 19,165 cu.yd. earth excav., 19,373 sq.yd. gravel surfacing, 2.68 cu.yd. Class "B" concrete, 270 lb. reinforcement for concrete masonry, 83.2 cu.yd. cement and 55.5 cu.yd. dry rubble masonry, etc., $18,355; 1.75 mi. East and West Rd., Federal Aid Project 164, Putnam Co., 3,000 cu.yd. earth excav., 15,840 sq.yd. brick pavement, $85,239; 9.6 mi. Lamai-Springfield Rd. (Center Twp. Sect.), Federal Aid Project 159, Dade Co., 500 cu.yd. rock and 30,000 cu.yd. earth excav., 23,440 sq.yd. gravel surfacing, 19 new culverts, extensions to 10 old culverts, $31,519.

Missouri—State Highway Dept., Springfield, received no bids Nov. 12, building 16.54 mi. Sect. A and 14.79 mi. Sect. B Oklahoma-St. Louis Rd., 24 ft. wide, Federal Aid Project 150, Greene Co., cost $111,268 and $110,256, respectively. Noted Nov. 4.

Tex., Anahuac—Chambers Co. rejected bids received Nov. 8, grading, surfacing and draining 11.3 mi Highway 35, Turtle Bayou Rd., 14 ft. wide. About $130,081. H. J. Walger, Orchard, co. engr. Noted Oct. 21.

Tex., Houston—City voted $200,000 to pave various streets. J. C. McVea, city engr. Noted Oct. 14.

Tex., Vernon—Chillicothe Comrs. Precinct. Wilbarger Co., voted $50,000 bonds to build roads. J. B. Nabors, co.-engr.

Okla., Dewey—City had plans prepared and will receive bids in spring grading and paving 15½ blocks 7th, 9th, 10th, 11th, 12th and Shawnee Sts., 24 and 30 ft. wide, involving 16,130 sq. yd. concrete, 10,300 lin. ft. concrete curbing and 2,900 cu. yd. earth excav., etc. Wood & Witten, Tulsa, engrs.

Okla., Hartshorne—City had preliminary plans prepared by V. V. Long & Co., engrs., Colcord Bldg., Oklahoma City, paving Dist 3, involving 15,000 sq.ft. concrete. About $75,000.

Okla., Weatherford—City having surveys made by V. V. Long & Co., engrs., Colcord Bldg., Oklahoma City, for paving 13 blocks. About $181,000.

Ore., Portland—City soon receives bids grading and paving Greeley St. from Willamette Blvd. to Killingsworth Ave., cost, $7,647; Woodward Ave. from Grand Ave. to Milwaukee St., $27,146. O. Laurgaard, 155 Royal Ct., city engr.

Ont., Ottawa—Suburban Rds. Comn. plans to surface 4 mi. Marivale Rd. and 4 mi. Montreal Rd., asphalt. About $175,000. A. Hay, Thistle Bldg., engr.

Ont., Ottawa—Suburban Rd. Comn., Thistle Bldg., plans to widen and surface 5 mi. Metcalfe Rd., asphalt. About $150,000. A. Hay, Thistle Bldg., engr.

Ont., Pembroke—Renfrew Co. sold $150,000 bonds to build roads. R. J. Rooney, clk.

BIDS DESIRED

Maryland—Until Nov. 30, by State Rds. Comn., Baltimore, graveling section state highway from end of Contr. CH-15 to Benedict for distance of 3.9 mi. J. N. Mackall, chn.; advertised in this issue.

Ga., Greensboro—Until Dec. 1, by Rd. Comrs. Rds. and Revenues Greene Co., improving Eatonton-Greensboro Rd., part of Federal Aid Project 67, Contract 2. Work involves .7808 acres clearing and grubbing, 23,242.2 cu.yd. common and 100 cu.yd. rock excav., 932.7 cu.yd. top soil surfacing and 196.7 tons rip-rap. R. T. Woolwyn, Court House, Athens, div. engr.

Indiana—By Rd. Co. Comrs. building roads in following counties.

Dec. 4, Vigo Co., Terre Haute, Wallace Ave. Rd., Harrison Twp., gravel; Fruit Ridge Ave. Rd., Harrison Twp., gravel; F. S. Hawley Rd., Harrison Twp., gravel; Ft. Harrison Rd., Harrison Twp., gravel. C. M. Lee, aud.

Dec. 7, Boone Co., Lebanon, T. W. Padgett et al. Rd., Marion Twp., gravel. I. Stephenson, aud.

Pulaski Co., Winamac, 15,750 ft. Dillard Berryman et al. Rd., Harrison Twp., gravel. J. C. Howe, aud.

Hancock Co., Greenfield, 14,630 ft. W. F. Kleiman et al. Rd., Buck Creek Twp. E. A. Cooper, aud.

Ill., Lockport—Until Dec. 2, by city, paving Hamilton St., et al. About $230,874. P. Yost, secy. Bd. Local Impvt.; advertised in this issue.

Ia., Creston—Until Dec. 8, by Comrs. Union Co., improving 14.503 mi. country highway, involving 177,999 cu.yd. earth excav., 10,866 ft. 6-12 in. tile, etc. G. A. Perry, Creston, engr.

Missouri—Until Dec. 2 (change of date), by State Highway Dept., California, building various sections of Southern Highway, State Aid Project S20.14, Moniteau Co., .98 mi. (Cole Co. line relocation), cost $10,381; .84 mi. (McGirk relocation), $3,025; .69 mi. Sect. A (Clarksburg Project), $3,240; .8 mi. (Sect. B Clarksburg Project), $3,557; .95 mi. (Brants relocation), ($4,692. Noted Nov. 14.

Missouri—Until Dec. 10, by State Highway Dept., Farmington, building 3.25 mi. state road from Madison Co. line toward Libertyville, State Aid Project S 20.13, St. Francois Co., involving 23,252 cu.yd. earth and 1,415 cu.yd. rock excav., 1,894 cu.yd. borrow, 138.6 cu.yd. Class "B" and 40.3 cu.yd. Class "C" concrete masonry, 960 lb. reinforcement for concrete masonry, 22,866 sq.yd. specification C gravel pavement, etc. About $34,038.

Missouri—Until Dec. 7, by State Highway Dept., Nevada, building 2.06 mi. state road from Horton northward, State Aid Project S 20.12, Vernon Co., involving 5,123 cu.yd. earth excav., 18,074 cu.yd. borrow, 34.1 cu. yd. Class "B" and 2.8 cu.yd. Class "C" concrete masonry, 2,501 lb. reinforcement for concrete masonry, etc., cost $15,467; rein.-con. skew slab superstructure, on Sta. 280 plus 00, 2.1 cu.yd. Class "A" and 9.2 cu.yd. Class "B" concrete, 5,780 lb. reinforcing steel, etc., $4,461; rein.-con. slab superstructure, on Sta. 20 plus 45, 2.1 cu. yd. Class "A" and 152.3 cu.yd. Class "B" concrete, 10,650 lb. reinforcing steel, $6,999, both on above project.

Missouri—Until Dec. 3, by State Highway Dept., Shelbyville, building 1.1 mi. state road from Hunnewell westward, State Aid Project S 20.17, Shelby Co., involving 23,861 cu.yd. earth excav., 50,000 cu.yd. per 100 ft. overhaul, 103.6 cu.yd. Class "B" concrete masonry, 7,457 lb. reinforcement for concrete masonry, etc. About $27,200.

Tex., Littlefield—Until Nov. 29, by W. C. Hopping, judge Lamb Co., grading, surfacing and draining 26.06 mi. Highway 7 from Hockley Co. line to Soudan, involving 384.5 cu.yd. Class "A" concrete, 34,823 lb. reinforcing steel, 33,973 cu.yd. natural roadbed surfacing, 2,599 cu.yd. borrow and 11,446 cu.yd. unclassified earth excav. About $70,000. C. L. Hasie Eng. Co., Amarillo, engrs

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Holbrook**—City let contract paving South Franklin St., concrete, to Powers Bros., 167 North Montello St., Brockton. About $20,000.

★**R. I., Providence**—Water Supply Bd., City Hall, let contract surfacing 3.4 mi. Plainfield Pike between Clayville and Foster, bituminous concrete, to Perini & Sons, Inc., Ashland, Mass., $103,270. Noted Oct. 28.

Streets and Roads (Continued)

N. Y., New York—H. Bruckner, pres. Bronx Boro., Municipal Bldg., Crotona Park, Tremont and 3rd Aves., received bids Nov. 18, regulating, etc., Sackett Ave. from Williams Bridge to Eastchester Rds., from Spadero Contg. Co., 827 East 217th St., $36,366, LaMura Contg. Co., $36,934, I. Cavaluzzo, $43,292; protecting with rock fill, outlet of sewer at White Plains Ave. and East River, from M. Delbalso, 1434 Bryant Ave., $3,250, S. Purificato, $4,450, P. Litchfield, $4,475. Noted Nov. 11.

★**Md., Cumberland**—City Council let contract grading various streets to K. C. Constr. Co., Cumberland, $31,060.

D. C., Wash.—Dist. Comrs., Dist. Bldg., received bids grading 16,500 cu.yd. Connecticut Ave. N.W. from Pierce Mill to Chapel Rds., from G. Hyman, West Virginia St. and Morse St., N.E., $0.49 per cu.yd.; G. B. Mullin Co., Inc., 1236 Upsur St., N.W., $0.53; W. F. Brenizer, 101 New York Ave., N.E., $0.65. Noted Nov. 11.

N. C., Pittsboro—Comrs. Chatham Co. received bids excavating, grading, draining and surfacing 24 mi. road between Cape Fear Twp. line, via Lexington, to Durham Co. line, from Lancaster & Son, Winston-Salem, $44,300; C. A. Helig, Winston-Salem, $46,800; M. Bland, $47,800. Noted Oct. 21.

★**S. C., York**—Comrs. York Co. and State Highway Dept., Columbia, let contract grading 4 mi. road from Fishing Creek to Chester Co. line 16 ft. wide to Austin Ritchie, Badin, N. C., $.47½ per cu.yd.

Alabama—State Highway Comn., Montgomery, received bids grading, draining and surfacing 18.16 mi. road from Guntersville to Boaz, Marshall Co., 2 in. penetration bituminous macadam, from A. F. Bearden, Birmingham, $550,422; C. G. Kershaw Constr. Co., Woodward Blk., $690,469; W. T. Taylor Constr. Co., Talladega, $717,729. Noted Oct. 21.

★**Ohio**—State Highway Comn., Columbus, let contracts grading, building bridges and culverts and paving roads in following counties

Belmont Co., Sect. "I" Barnesville-Woodsfield Rd., 2.061 mi., bituminous macadam, to C. E. Wilson, Barnesville, $74,015.

Hamilton Co., Sect. "X" Glendale-Milford Rd., 2.561 mi., concrete, to Gradison Constr. Co., 1st Natl. Bank Bldg., Cincinnati, $153,941.

Licking Co., Sect. "F" Newark-Mt. Vernon Rd., 5.030 mi., with plain concrete, to Newark Paving & Constr. Co., Newark, $242,117.

Montgomery Co., Sect. "P" Dayton-Troy Rd., 1.099 mi., brick, to R. H. Shafer Co., Columbus, $58,842.

Sects. "Q" and "Vandalia" Dayton-Troy Rd., 1.707 mi., concrete, to Cliffton Hoolihan, Dayton, $90,881.

Seneca Co., Sect. "D-1" Columbus-Sandusky Rd., 2.038 mi., bituminous macadam, C. M. Gray, Waterville, $77,919.

Sect. "R" Lima-Sandusky Rd., 2.167 mi., bituminous macadam, to J. H. Murphy & Son, Burgeon, O., $76,394.

Sect. "F-1" Bucyrus-Tiffin Rd., 0.884 mi., bituminous macadam, to J. W. Carey, Ada, $31,004.

Sect. "G" Tiffin-New Haven Rd., 2.007 mi., bituminous macadam, to D. W. Botkins & Son, Columbus, $58,136.

Putnam Co., Sect. "A" Findlay-Delphos Rd., constructing new concrete block floor and waterbound macadam approaches to bridge, to Standard Eng. Co., Toledo, $2,546.

Noble Co., Sect. "N" Cambridge-Caldwell Rd., 3.594 mi., grading roadway and constructing drainage structures, to W. M. Gray, Columbus, $80,032.

Fulton Co. Sect. "L-1" Archbold-Fayette Rd., 1.018 mi., grading roadway and constructing bridges and culverts, to C. W. Gray, Waterville, $26,314.

Geauga Co., Sects. "V-2" and "W" Chagrin Falls-Greenville Rd., 9.4 mi., grading roadway and constructing bridges and culverts, Henderson Bros., Chagrin Falls, $74,806.

Meigs Co., Sect. "O" Pomeroy-Athens Rd., 3.303 mi., grading roadway and constructing bridges and culverts, McElfresh, Danford Co., Caldwell, $87,117.

Lorain Co., Sect. "N" Twinsburg-Elyria Rd., constructing concrete superstructure to bridge, to Schroeder & Lafgren, Lorain, $2,248. Noted Nov. 18.

★**O., Cleveland**—Wallace Realty Co., Engineers Bldg., let contract grading Randall Heights, involving 30,000 cu.yd. earth excav., to Sanbourne & Brown, c/o owner. About $25,000.

★**Michigan**—State Highway Dept., dist. office Escanaba, let contract grading and surfacing 5.971 mi. Federal Aid Project 3, portion of Sect. C, 15 ft. wide, Baraga Co., to M. J. Bacco, Iron Mountain, $26,536. Noted Nov. 4.

★**Michigan**—State Highway Dept., Lansing, let contract grading, draining and surfacing 3.492 mi. State Trunk Line Rd. 13-9, Sect. A, 16 ft. wide, Wexford Co., to Pierson & Allsmede, Hersey, $58,385. Work involves 33,306 cu.yd. earth excav., at $0.70 per cu.yd., 1,377 lb. steel reinforcement, $0.10, 32,579 sq.yd. base and top course gravel, $0.55 and $0.42 respectively, 11 cu. yd. 1:2:4 and 55.4 cu.yd. 1:3:6 concrete, $30 and $25 respectively, etc. Noted Oct. 28.

★**Michigan**—State Highway Dept., Muskegon, let contract grading and draining 7.936 mi. Federal Aid Project 43, Sect. C, Muskegon Co., to Kalamazoo Constr. Co., Kalamazoo, $49,577. Noted Oct. 28.

★**South Dakota**—State Highway Comn., at office of Bon Homme Co (Tyndall), let contract grading and draining 12.942 mi. Tyndall-Lake Andes Rd., 36 ft. wide, Federal Aid Project 38, Bon Homme Co., to Peterson, Shirley & Gunther, Omaha, Neb., $48,811. Noted Oct. 21.

Tex., Fredericksburg—Gillespie Co. received bids Nov. 11, grading, surfacing and draining 9.99 mi. Highway 9 from here south to Kendall Co., line from B. S. Davison, 1110 Harold Ave., Houston, $62,037; Rice & Winder, Cameron, $67,915; M. M. Craven, Bellaire, $69,883. Noted Oct. 21.

★**Tex., Rockport**—Aransas Co. let contract improving 9.51 mi. Rockport-Aransas Rd., 16 ft. wide, (a) reshaping shoulders, grass sodding and surfacing with mud shell, (b) furnishing mud shell, to Miller Constr. Co., Port Lavaca, (a) $51,395; Heldenfels Bros., Rockport, (b) $16,124. Noted Oct. 28.

★**Ariz., Tucson**—Pima Co., Highway Comn., New City Hall, let contract building 6 mi. Sect. 2 Arivaca Rd., to R. Mackay & Co., 312 East 4th St., $57,327. Pima Co. furnishes culvert pipe, cement and steel. Noted Oct. 28.

★**Wash., Dayton**—Columbia Co. let contract macadamizing 5 mi. Hogeye Whisky Rd., to G. L. Stickler, Dayton, $36,050.

★**Wash., North Yakima**—Yakima Co. let contract paving 4 mi. Wapato Donald Highway, to R. M. Hardy, Yakima, $76,584. Noted Nov. 11.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract improving Route 10, Sect. B, Div. 6, Kings Co. from westerly boundary to 1 mi. north of Lemoore, to Bates & Borland, Oakland Savings Bank, Oakland. Noted Nov. 11.

★**California**—State Highway Comn., 515 Forum Bldg., Sacramento, let contract improving 5.9 mi. Route 15, Sect. B, Div. 3, between Wadsworth Canal and Yuba City, Sutter Co., to J. Doyle, San Jose. Noted Nov. 11.

★**Cal., Modesto**—City let contract paving various streets, involving 9,553 sq.yd. Warrenite bitulithic on 2 in. concrete foundation, to Standard Paving Co., 9th and N Sts.

Cal., San Diego—Common Council received bids Nov. 15, paving Lytton and Voltaire Sts., Chatworth and Catalina Blvds., from Fairchild-Gilmore-Wilton Co., 25 14th St., $98,684. Work involves 14,419 cu.yd. excav. at $1.18 per cu.yd. 14,001 cu. yd. embankment, $0.01, 316,965 sq.ft. Warrenite bitulithic wearing surface on asphalt concrete base, $0.239, 247 lin.ft. concrete curbing, $0.70, 3,528 sq.ft. oiled guttering, $0.10, double strength cement pipe culverts, catch basins, etc., $3,960, etc. Noted Nov. 4.

Excavation and Dredging

PROPOSED WORK

Ia., Tama—Drainage—Tama Co. plans to build 2 mi. drainage project north of here. About $16,000.

Wis., Fond du Lac—Drain—Fond du Lac Drainage Bd. having preliminary surveys made excavating and laying 30,000 ft. large drain tile, about 16 in. pipe at outlet, in Fond du Llac Co. About $25,000. L. M. Schindler, 721 Clark St., Appleton, engr.

Wis., Waupaca—Drainage—Waupaca Co. rejected bids received Oct. 25, building D. D. 1. L. M. Schindler, 721 Clark St., Appleton, engr. Noted Oct. 21.

S. D., Woonsocket—Ditch—Comrs. Sanborn Co. rejected bids received Oct. 5 building Ditch 34. Work involves 385,000 cu.yd. open ditch excav. and 128,850 ft. 8-36 in. tile. Work may be readvertised. Al... $100,000. C. A. Trimmer, Madison, eng...

BIDS DESIRED

Ia., Clarinda—Ditch—Until Dec. 15, V. Freed, aud. Page Co., building d... 4,800 ft. long, 2.4 ft. to 8.7 ft. deep, ... D. D. 18. A. S. Van Sandt, engr.

Ia., Rockwell City—Drainage—Until N... 30, by Bd. Supervs. Calhoun Co., furnish... labor and material building D. D. 245, ... volving 12,318 ft. 14-26 in. tile, etc. R. ... Dixon, aud.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Md., Baltimore**—Channel—Weste... Maryland Ry. Co., Charles and Sarato... Sts., let contract deepening to unif... depth 18 ft. and widening to 400 ft., cha... nel leading into ferry slip of railway ... Bear Creek shore, Sparrow Point, ... Arundel Corp., 2 Pratt St. About $45,0...

★**Minn., Park Rapids**—Ditch—Hubbard and Cass Counties let contract building Judicial Ditch 1, involving 84,983 cu.yd. excav., 12.6 acres clearing, three 18 ft. timber bridges, etc., to Rood Constr. Co., Wisconsin Rapids, Wis., $17,769.

Ia., Emmetsburg—Drainage—Palo Alto Co. received only bid improving D. D. 123, involving 38,895 ft. 6-18 in. tile and 54,000 cu.yd. excav., from Berkler & McNulty, Emmetsburg.

★**Ia., Maquoketa**—Drainage Ditch—Jackson Co. let contract building drainage ditch between Sterling and Prophetstown, to Clark Constr. Co., Clinton. About $50,000.

Industrial Works

PROPOSED WORK

Me., Houlton—P. J. Sullivan, 74 Broad St., Boston, is representing company which plans to build 1 story, 80 x 300 ft. frame fertilizer plant. Private plans.

Mass., Dedham—Third Natl. Film Co., 67 Milk St., Boston, plans to build large plant and laboratory, here. Architect not selected.

Mass., New Bedford—F. W. Greene, Jr., 252 Union St., having sketches made by LaBrode and Bullard, archts., 251 Union St., for two 1 story garage and repair stations, on Mill and Ash Sts., respectively.

Mass., Springfield—Natl. Automobile Parking Co., 145 State St., having plans prepared by R. B. Warner, archt., 168 Bridge St., for 5 or 8 story, 100 x 200 ft. concrete, brick and steel garage, rein.-con. flooring, concrete foundation, on Dwight, East Court and New Sts. Cost between $500,000 and $700,000. O. P. Thompson, pres. Noted Sept. 30.

Conn., Devon—Belpedio & Co., 925 Main St., Bridgeport, plans to build 3 story, 60 x 200 ft., brick and mill construction plant, here. H. E. Koerner, 164 State St., Bridgeport, archt.

Conn., South Glastonbury—Wasuc Mills Co., plans to rebuild paper plant recently destroyed by fire. About $50,000. Architect not selected.

N. J., East Orange—Jephson-Scott Body Co., 24 Sterling St., had plans prepared by M. N. Shoemaker, archt., 15 Central Ave., Newark, for 2 story, 58 x 63 ft. factory, here. About $70,000.

Pa., Phila.—Kingan Provision Co., 8th and Callowhill Sts., plans to build 50 x 105 ft. addition to warehouse, concrete and brick. About $100,000. Architect not selected.

Pa., Pittsburgh—Methodist Episcopal Church, 6th and Smithfield Sts., having plans prepared by T. B. and L. Wolf, archts., Century Bldg., for 4 story, 50 x 100 ft. "Good Will Industrial" building on 28th St. and Liberty Ave. Cost between $90,000 and $100,000

Md., Baltimore—Maryland State Tobacco Warehouse plans to build concrete, brick and steel warehouse, concrete foundation, on Charles and Conway Sts. State appropriated $400,000 for project; will mature in spring.

Md., Baltimore—Red "C" Oil Mfg. Co., 410 Keyser Bldg., plans to build refinery and tanks, on Key Highway. About $250,000. W. W. Pagon, Lexington Bldg., engr.

Industrial Works (Continued)

W. Va., Huntington—Fordlette Engine Co. plans to build plant. About $100,000.

N. C., Kinston—City plans to enlarge power and light system. About $300,000. J. Dawson, mayor.

N. C., Raleigh—State Highway Dept. plans to build two 100 x 200 ft. timber structures, to be used as mechanical equipment shed and repair shop. About $75,000. W. S. Fallis, state highway engr.

N. C., Scotland Neck—City plans to build electric light plant. About $50,000.

Ga., Trion—Trion Co. plans to build 3 story, 25 x 40 ft., rein.-con., brick and steel addition to power house, rein.-con. flooring, concrete foundation. About $100,000. Jackson & Moreland, 387 Washington St., Boston, Mass., engrs.

Fla., Apalachicola—City voted $50,000 bonds to build electric light plant. J. H. Cook, mayor.

Fla., Tampa—Tampa Drug Co., Florida and Washington Sts., plans to build 4 or 5 story, 105 x 105 ft. wholesale drug house, rein.-con. and brick, rein.-con. flooring, on Pierce and Polk Sts. About $150,000.

O., Cleveland—See "Buildings."

O., Cleveland—B. Fenniger, Society for Savings Bldg., plans to build 1 story, brick and steel garage, brick foundation, on Superior Ave. near East 33rd St. About $50,000. Private plans.

O., Cleveland—Tenfel Bros., c/o C. E. Tousley, archt., 4500 Euclid Ave., had plans prepared for 1 story, 40 x 130 ft., brick and steel garage, brick foundation, on West 65th St. About $40,000.

O., Youngstown—Retail Grocers Assn., 1301 Wick Bldg., plans to build 2 story, 100 x 100 ft. bakery. About $80,000.

Ind., Columbus—Indiana Oil Refining Co. plans to build 1 story oil refinery, 1,000 bbl. capacity, brick and steel. About $500,000.

Mich., Detroit—Mildner & Eisen, archts., 924 Hammond Bldg., open bids about Dec. 10, building 3 story, rein.-con., brick and steel addition to plant, rein.-con. flooring, concrete foundation, on 14th St., for Newton Packing Co., 1041 14th St. About $75,000.

Mich., Detroit—L. Kamper, archt., 749 Book Bldg., opens bids about Dec. 8, building 3 story, rein.-con., brick and steel plant, rein.-con. flooring, concrete foundation, on Elmwood Ave., for Orling Bros., 522 Elmwood Ave. About $200,000. Noted Nov. 11.

Mich., Detroit—G. W. Graves, archt., 43 John R. St., opens bids about Dec. 10, building 1 story, 90 x 200 ft., brick and steel foundry, rein.-con. flooring, concrete foundation, for Zenith Fdry. Co., Miller Ave.

Ill., Chicago—Joseph Bros. Lumber Co., 3393 Archer Ave., plans to build 1 story, 75 x 150 ft., concrete and brick garage, concrete foundation. About $50,000. Architect not selected.

Ill., Chicago—W. E. Perry, archt., 64 East Van Buren St., soon lets contract building 150 x 180 ft., brick, concrete and steel garage, concrete foundation, on Monroe St. and Racine Ave., for Parmalee Transfer Co., 202 South Clark St.

Wis., Hartford—Storm King Mfg. Co. plans to build 2 story, 60 x 150 ft., rein.-con., brick and steel factory, brick foundation, on West Main St. About $100,000. C. Montgomery, mgr. Architect not selected.

Wis., Helenville—Blochowiat Diary Co., 1364 4th Ave., Milwaukee, plans to build 2 story, 80 x 140 ft., rein.-con., brick and steel factory, rein.-con. flooring, brick foundation, on Main St., here. About $75,000. Architect not selected.

Wis., Kaukauna—Kaukauna Motor Service Co. having plans prepared and opens bids about Dec. 1, building 4 story, 50 x 100 ft. garage and show room, brick, rein.-con. and steel, rein.-con. flooring, brick foundation, on 3d and Main Sts. About $75,000. Juul-Smith, Imig Bldg., Sheboygan, archts.

Wis., Kewaunee—Kewaunee Mfg. Co. preparing plans for 4 story, 24 x 102 ft., rein.-con., brick and steel factory, brick foundation, on Main St. About $50,000. Private plans.

Wis., La Crosse—Wisconsin-Minnesota Light & Power Co., 120 North 5th St., plans to build steam power plant, with 10,000 kw. capacity, and extend electric lines to Hokah, Minn., and Sparta. About $50,000. F. G. Felton, mgr.

Ia., Centerville—Albia Packing Co. had plans prepared for packing plant. About $125,000. C. W. Monroe, pres. Architect not announced.

Que., Montreal—Canada Heaters Co., Ltd., St. Laurent, plans to build 1 story, brick and steel plant, concrete foundation, here. About $250,000.

Que., Three Rivers—Wabasso Cotton Co. soon receives bids building 4 story, 75 x 100 ft. brick and steel plant, concrete foundation. About $125,000.

Ont., Brockville—Laing Produce & Storage Co., Water St. E., plans to build addition to plant here. About $400,000. J. G. Gardner, pres. Architect not selected.

Ont., Dungannon—Riverside Creamery Co. plans to rebuild plant destroyed by fire. About $65,000.

Ont., Goderick — Goderick Mfg. Co., Angelsea St., plans to build factory. About $80,000. A. Baechler, mgr.

Ont., Kincardine—Kincardine Evaporator Co. plans to rebuild plant recently destroyed by fire. About $60,000. W. McRorie, mgr.

Ont., London—Beatty Bros., York St., receives bids about March 1, building 2 story, 260 x 300 ft. rein.-con. addition to factory, on Chelsea Green. About $200,000. Private plans.

Ont., London—Utilities Comn. plans to build 2 story, 45 x 70 ft. substation on Cabell St. About $85,000. E. V. Buchanan, Hydro Office Bldg., engr.

Cuba, Havana—M. Diaz having plans prepared by Ophuls, Hill & McCreery, archts. and engrs., 112 West 42d St., New York City, for bottling plant here, concrete, brick, steel and stone, concrete foundation. About $1,000,000.

BIDS DESIRED

Ill., Chicago—Dubin & Eisenberg, archts., 139 North Clark St., receiving bids building 3 story, 48 x 100 ft., mill construction factory, concrete foundation, for M. Block & Son, 1123 Newberry Ave. About $50,000.

Ill., Waukegan—See "Buildings."

Wis., Fond du Lac—Sheboygan Dairy Products Co., South Water St., Sheboygan, and B. E. Mehner, archt., 8 East Division St., receiving bids and open same about Dec. 6, building 2 story, 60 x 112 ft., brick, rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on South Main St., here. About $75,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. H., Keene**—A. E. Fish & Co., 8 Elm St., will build 3 story, 40 x 60 ft. iron and frame addition to factory, concrete foundation. Work will be done by day labor.

★**Mass., Charlestown** (Boston P. O.)—Charlestown Gas & Electricity Co., 27 Main St., let contract building 1 story, 40 x 50 ft. concrete, brick and steel substation, rein.-con. flooring, concrete foundation, on Salem St., to W. M. Bailey, 88 Broad St., Boston.

★**Mass., Sandwich**—Sagamore Co., 53 State St., Boston, let contract building 1 story pulp mill, brick and steel, rein.-con. flooring, concrete foundation, here, to T. Kelleher. About $100,000.

★**Conn., Versailles**—Federal Paper Board Co. let contract building 2 story, concrete, brick and steel addition to plant, rein.-con. flooring, concrete foundation, to H. Wales Lines Co., 134 State St., Meriden. About $250,000.

★**N. Y., Brooklyn**—B. Clayman, 37 Van Buren St., will build 1 story, 100 x 150 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on De Kalb Ave., near Tompkins Ave. About $40,000 Work will be done by day labor.

★**N Y., Brooklyn**—Forest Box & Lumber Co., c/o Gilbert & Ashfield, archts. and engrs., 350 Fulton St., let contract building 1 story, 100 x 140 ft., brick and steel factory, rein.-con. flooring, concrete foundation, at 420 Oakland St., to Barney & Ahlers, 119 West 40th St., New York City. About $50,000.

★**N. Y., Brooklyn**—Hub Knitting Mills, 1007 Buchman Ave., will build additional story, also 2 story side addition to factory, brick and steel, rein.-con. flooring, concrete foundation. About $50,000. Work will be done by day labor.

★**N. Y., Glendale** (Brooklyn P. O.)—Eastern Eng. & Constr. Co., c/o Gilbert & Ashfield, archts. and engrs., 350 Fulton St., Brooklyn, let contract building 1 story, 120 x 300 ft., shop, rein.-con. and brick, rein.-con flooring, concrete foundation, to Levering & Garrigues Co., 552 West 23d St., New York City. About $80,000.

★**N. Y., New York**—Baker & Williams Co., 126 Leroy St., let contract building 9 story, 75 x 100 ft. addition to warehouse, rein.-con. and steel, rein.-con. flooring, concrete foundation, at 110 Leroy St., to Cauldwell-Wingate, 381 4th Ave.

★**N Y., New York**—A. L. Guidone, 52 Vanderbilt Ave., will build 2 story, 50 x 100 ft., brick and steel garage, rein.-con. flooring, concrete foundation, on Jerome Ave. and Bedford Park Blvd., Bronx. About $85,000. Work will be done by day labor.

★**N. Y., New York**—Kliegl Bros., 240 West 50th St., let contract building 4 story, 60 x 100 ft. electrical goods factory, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 321 West 50th St., to M. J. Conrady, 475 Greenwich St. About $65,000.

★**N. Y., S. I. West New Brighton**—Dept. Pub. Welfare, Municipal Bldg., New York City, let contract constructing addition to boiler house, at Sea View Hospital, here, to G. Colon Co., 81 East 125th St., New York City. About $42,000. Noted Nov. 4

★**Pa., Meadville** — Phoenix Iron Wks., Mercer and Railroad Sts., let contract building 1 story, 50 x 300 ft. extension to factory and 5 story, 40 x 100 ft. extension to pattern works, brick and steel, brick foundation, to H. K. Ferguson Co., 6523 Euclid Ave., Cleveland. About $200,000.

★**Pa., Phila.** — Amer. Ice Co., 6th and Arch Sts., let contract building 2 story, 75 x 100 ft., plant, brick on 10th and Callowhill Sts., to Monaghan & Losse, 3016 Chestnut St. About $120,000.

★**W. Va., Beechbottom** (Wellsburg P. O.)—West Penn Power Co., Hartje Blk., Pittsburgh, Pa., let contract building 1 story power and storage plant, covering 10,000 sq.ft. floor space, concrete, brick and steel, concrete foundation, to Austin Co., Union Arcade Bldg., Pittsburgh. About $40,000.

★**N. C., Charlotte**—O. J. Thies let contract building 2 story, 46 x 146 ft. brick garage, to Thies, Smith Co., Charlotte. About $65,000.

★**N. C., Greensboro**—Carolina Steel & Iron Co. will build first unit of plant, 110 x 180 ft., steel. Work will be done by day labor.

★**S. C., Beaufort**—Seacoast Packing Co. let contract building 3 story, 85 x 110 ft. packing plant, rein.-con., concrete flooring, to Brooks Eng. Co., Moultrie, Ga. About $100,000.

★**O., Cleveland**—H. W. Morgan, 637 Bway., let contract building 2 story, 50 x 100 ft., brick and steel warehouse, brick foundation, at 1108 Central Ave., to A. A. Lane Constr. Co., 1869 East 55th St. About $75,000. Noted Nov. 4.

★**O., Cleveland**—Reliable Auto Top & Fender Co., 4310 Carnegie Ave., let contract building 2 story, 88 x 100 ft., rein.-con., brick and steel garage, rein.-con. flooring, brick and concrete foundation, at 8011 Lake Ave., to L. Heimberger, 15114 Detroit Ave. About $60,000.

★**O., Dayton**—Miami Ice Delivery Co., Ludlow Bldg., let contract building 1 story, 60 x 60 ft. ice plant, rein.-con., brick and steel, rein.-con. flooring, brick foundation, to Blanchard Bldg. Co., Dayton. About $50,000.

★**Ill., Chicago**—Independent Packing Co., 41st and Halstead Sts., let contract building 1 stroy, 75 x 125 ft., concrete and brick plant, concrete foundation, at 4119-23 Emerald Ave., to C. A. Juhl, 7759 South Lawrence Ave. About $50,000.

★**Ill., Chicago**—New Way Laundry, Montrose and Francisco Sts., let contract building 2 story, 64 x 152 ft., rein.-con., terra cotta and brick laundry, concrete foundation, to Great Lakes Constr. Co., 304 South Wabash Ave. About $100,000. Noted Nov. 4.

Industrial Works (Continued)

★**Ill., Chicago**—J. Press Sons, 300 North Halstead St., let contract building 1 story, 125 x 140 ft., concrete and brick factory, concrete foundation, at 3338-60 Normal Ave., to A. and E. Anderson, 19 South La Salle St. About $150,000.

★**Wis., Appleton**—Fox River Paper Co. let contract building 2 story, 26 x 165 ft. paper mill, to Appleton Constr. Co., Odd Fellows Bldg.

★**Ia., Ft. Dodge**—International Harvester Co., 606 South Michigan Ave., Chicago, Ill., let contract constructing 1 story, 80 x 170 ft., rein.-con., brick and steel motor truck service station, here, to Larson Constr. Co., Ft. Dodge.

★**Col., Denver**—Denver & Salt Lake R.R., Ideal Bldg., will build and equip 90 x 250 ft. railroad shop, frame superstructure, rein.-con. foundation, to replace one destroyed by fire. About $800,000. Work will be done by day labor. V. B. Wagner, engr. A. L. Cochran, purch. agt.

★**Col., Wellington**—Du Pont Sugar Co., 627 19th St., Denver, let contract building sugar factory, here, concrete and steel, to have 600 ton daily capacity, to Schwartz Eng. Co., 310 Mack Bldg., Denver. About $1,000,000.

★**Ont., Pembroke**—McGuire, Patterson & Palmer Ltd., 343 Dorchester St. W., Montreal, Que., let contract building concrete, brick and steel factory, concrete foundation, to Fraser Brace & Co. Ltd., 83 Craig St. W., Montreal, Que. About $5,000,000

Buildings

PROPOSED WORK

Vt., Montpelier—Office—Nat. Bldg. Life Insurance Co. plans to build large brick, concrete, stone and steel, on State St. Cram & Ferguson, 15 Beacon St., Boston, archts.

Mass., Cohasset — Municipal — City had sketches made by G. F. Newton, archt., 6 Beacon St., Boston, for 2½ story, brick and stone rock foundation. About $500,000.

Mass., Dorchester (Boston P. O.)—Theatre—Blue Hill Ave. Theatre Corp., c/o Funk & Wilcox Co., archts., 1148 Old South Bldg., Boston, plans to build 1 and 2 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on Blue Hill and Woodrow Aves. About $200,000.

Mass., Great Barrington—Hotel—J. M. Vance, archt., 24 North St., Pittsfield, drawing plans for brick and concrete. About $150,000. Owners name withheld.

Mass., Springfield—Hotel—Oaks Hotel, Thompson and State Sts., had plans prepared by Associate Architectural & Eng. Co., 145 State St., for 4 story, brick and tile addition, containing 125 rooms and 65 baths. Cost to exceed $200,000.

Mass., Springfield—Office—Massachusetts Mutual Life Insurance Co., 500 Main St., plans to build large brick, steel and rein.-con. addition, on Main and State Sts. Architects not selected.

Mass., Ware — Hospital — Mary Lane Hospital rejected bids building 2 story, 40 x 120 ft. brick and concrete, on Main St. About $100,000; project indefinitely postponed. E. F. Stevens, 9 Park St., Boston, archt. Noted Oct. 21.

Mass., Whitinsville — School — Town of Northbridge, Whitinsville School Comn., plans to build addition. About $200,000. Architect not selected.

R. I., Newport — School — City rejected bids received Nov. 18, building 2 story, brick and concrete, rein.-con. flooring, concrete foundation, on Bway. and Vernon Sts., About $160,000. Project indefinitely postponed. T. S. L. Weaver, 14 Cranston Ave., archt. Noted Nov. 11.

Conn., Bridgeport—Club—Knights of Columbus, 460 Washington Ave., plans to build large addition on Washington Ave. and Congress St. Cost between $150,000 and $200,000. Architect not selected.

Conn., Hartford — Gymnasium, etc. — Knights of Columbus, 28 Prospect St., plans to build brick and steel gymnasium, swimming pool and assembly hall, on prospect St. Architect not selected.

Conn., Hartford—Hotel—Heublein Hotel, 98 Wells St., having plans prepared by Lockwood, Greene & Co., archts., 60 Federal St., Boston, for remodeling hotel on Wells and Mulberry Sts. About $75,000.

Conn., Hartford — Hotel — S. S. Nelson, 290 Trumbull St., plans to build large hotel (containing 150 to 160 rooms with baths), on Church St. Architect not selected.

N. Y., Brooklyn—Y. M. H. A., 189 Montague St., plans to build 13 story, brick, steel and stone, concrete foundation, on 4th Ave. and Dean Sts. About $1,000,000. A. Moscowits, Pres. Architect not selected.

N. J., Hackensack—School—Bd. Educ. plans to build 12 room school. About $275,000.

N. J., Jersey City—Hospital—City is conducting campaign to raise $100 000 to build 33 x 95 ft. concrete and brick wing to Greenville Hospital. Architect not selected.

Pa., Beaver—High School—City voted $90,000 bonds to build centralized high school in North Beaver.

Pa., Butler—Hospital—Butler Memorial Hospital plans to construct 3 story, brick and stone, brick foundation, on Brady St. About $500,000. T. M. Maxwell, pres. E. L. Tilton, 52 Vanderbilt Ave., New York City, archt. and engr.

Pa., Phila.—School—Bd. Educ., 19th and Chestnut Sts., opens bids about Dec. 4, building 3 story, 145 x 170 ft., concrete and brick, on 7th and Norris Sts. Noted April 1.

Pa., Pittsburgh—Convent and School—St. Philomenas Catholic Church, c/o J. T. Comes, archt., Renshaw Bldg., plans to build 2 story, 80 x 90 ft. convent and 100 x 200 ft. school, brick and steel, rein.-con. flooring, on Forward St. and Beechwood Blvd. Cost between $400,000 and $500,000.

Pa., Washington—Theatre—S. Kosmos, Pine and Maine Sts., having plans prepared by P. C. Dowler, archt., Magee Bldg., Pittsburgh, for 2 story, 72 x 165 ft., brick and steel, rein.-con. flooring. About $150,000.

Md., Baltimore—Church, etc.—Immaculate Conception Church plans to build brick and stone church, school, rectory and sisterhouse, on Liberty Heights Ave. and Hilton St. About $500,000. F. Baldwin, 328 North Charles St., archt.

Md., Baltimore—Church and Parish House—St. Thomas Protestant Episcopal Church plans to build 1 and 2 story brick and stone, stone foundation, on Alameda Ave. and 31st St. About $150,000. Mottu & White, 324 North Charles St., archts.

Md., Baltimore — School — Bd. Educ. rejected bids building P.S. 64, on Garrison and Penhurst Aves. Bd. Awards having revised plans prepared. Noted Nov. 4.

Md., Baltimore — School — Bd. Educ. rejected bids building P.S. 76, on Fort Ave. and Lathrobe Park. Bd. Awards has ruled that schoolhouses hereafter built must be fireproof throughout; original plans did not call for these specifications. New specifications have been ordered. Incorrectly noted in our issue of Nov. 11.

Md., Catonsville (Baltimore P. O.)—Hospital—Hospital for Criminal Insane, State Lunacy Comn., 330 North Charles St., plans to build brick, here. About $150,000. H. P. Hopkins, 347 North Charles St., archt.

D. C., Wash.—Church—Catholic University, Brookland, having plans prepared by Maginnis & Walsh, archts., 100 Boylston St., Boston, for 100 x 600 ft. stone, on University grounds. About $5,000,000.

W. Va., Charleston—Hospital—United Mine Workers of America, Dist. 17, Malden, plan to build hospital, here. About $200,000. F. Mooney, dist. secy.

W. Va., Philippi—Hall—Broaddus College retained E. J. Wood & Son, archts, Clarksburg, to prepare plans for 2 story, 75 x 95 ft. physical culture hall, here. About $75,000.

N. C., Asheville—School—City plans to build 4 or 5 schools. Cost $100,000 each.

S. C., Florence—Hospital—J. D. Smycer plans to build brick and concrete hospital. About $75,000. L. MacD. Hicks, Florence, archt.

Fla., Tampa—Office—C. H. Brown and F. Hensley, 510½ Franklin St., plans to build 12-15 story, 90 x 105 ft steel and concrete, rein.-con. flooring, rock foundation, on Franklin St. Architect not selected.

Ky., Frankfort — Church — Christian Church having preliminary sketches prepared by L. L. Oberworth, archt. Frankfort, for new church. About $150,000.

Ky., Lexington — Church — Woodla... Christian Church receives bids in spri... building church. About $75,000. H. ... Churchill, Fayette Natl. Bank Bldg., arch...

O., Cleveland—Office—Cleveland Catholic Diocese, c/o A. Scullen, 1007 Superior Ave. plans to build 6 story, rein.-con., brick and steel addition, rein.-con. flooring, brick and concrete foundation, on East 12th St. near Euclid Ave. About $250,000. Private plans.

O., Cleveland—Restaurant—The Peacock Inn Co., c/o L. Park, 304 Superior Ave., plans to remodel 1 story, steel and marble at 2010 Euclid Ave. About $100,000. Private plans.

O., Lorain—High School—Bd. Educ., East 6th St. and Washington Ave., having plans prepared by F. C. Warner, archt., Hippodrome Annex Bldg., Cleveland, for 2 story, 14 room, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on East 20th St. and Oakdale Ave. About $350,000.

O., Springfield—School—Bd. Educ. having plans prepared by O. D. Howard, archt., 8 East Broad St., Columbus, for 2 story, 100 x 110 ft., brick and concrete, on Limestone St. About $140,000.

Mich., Detroit — Church — St. Thomas Church, c/o C. W. Short, archt. and engr., 25 West 44th St., New York City, having plans prepared for addition, brick and stone, brick foundation. About $125,000.

Mich., Detroit—Clubhouse—League of Catholic Women, 47 Watson St., plans to build 4 story, 120 x 140 ft., rein.-con., brick and steel, on Parsons St. About $500,000. Architect not selected.

Mich., Detroit—Parish House—Columbia Church, c/o C. W. Short, archt. and engr., 25 West 44th St., New York City, soon lets contract building 3 story, 85 x 95 ft., brick and stone, brick foundation, on Jefferson and Manistique Aves. About $150,000.

Mich., Monroe—Bank—Weary & Alford, archts., 1732 South Michigan Blvd., Chicago, open bids about Jan. 15, building rein.-con., brick and terra cotta, rein.-con. flooring, concrete foundation (height and size to be determined by result of bid), here, for Dansard State Bank, Monroe. About $250,000.

Mich., Muskegon—Bank and Office—Weary & Alford, archts., 1732 South Michigan Blvd., Chicago, open bids about Jan. 15, building rein.-con., brick, terra cotta and granite, rein.-con. flooring, concrete foundation (height and size to be determined by result of bids), here, for Natl. Lumbermans Bank, 13 West Western Ave. About $300,000.

Mich., Saginaw—High School—Bd. Educ. receives bids in spring building Junior High School. Election in January to vote on bonds for project. Cowles & Mutscheller, 1 Chase Blk., archts. Noted March 18.

Wis., Amherst—High School—Bd. Educ., c/o F. E. Metcalf, having preliminary plans prepared by W. C. Alban, archt., Endicott Bldg., St. Paul, for 3 or 4 story, 60 x 150 ft., brick, tile and stone, brick foundation, on North Main St. About $200,000.

Wis., Chippewa Falls—Sales and Office—E. G. Pannier & Son, 916 Prairie St., having plans prepared by Schlinz & Bailey, archts., 53 North Jackson Blvd., Chicago, for 2 story, 130 x 200 ft., rein.-con. and brick. About $120,00. F. C. Pannier, pres.

Wis., Evansville—School—Bd. Educ. had plans prepared by Claude & Starck, archts., Bridge Annex Bldg., Madison, for 2 story, brick, rein.-con. and stone. About $100,000. N. G. Patterson, secy. Noted Aug. 19.

Wis., Two Rivers—High School—Bd. Educ. receives bids about Dec. 1, building 3 story, 80 x 155 ft., rein.-con., brick and stone. About $400,000. F. Wolf, 2307 Jefferson St., pres. J. D. Chubb, 109 North Dearborn St., Chicago, archt. Noted July 1.

Ia., Clarinda—School—City election Nov. 30, to vote on $90,000 bonds to build 2 story school. B. J. Sunderman, secy.

Ia., Corydon—High School—Bd. Educ. receives bids about Dec. 15, building 3 story, 67 x 121 ft., steel, brick and tile. About $160,000. W. Gordon, Hubbell Bldg., Des Moines, archt. Noted May 6.

Minn., Mankato—Hospital—Immanuel Hospital Assn., 4th and Washington Sts., plans to build 2 or 3 story rein.-con. and brick addition. About $150,000. A. F. Winter, chn. plan com. Architect not announced.

Buildings (Continued)

Minn., Minneapolis — Hotel — Radisson Hotel Co., 7th St. between Nicollet and Hennepin Aves., plans to build 375 room addition. About $1,800,000. S. Kruse, pres. Architect not announced.

Minn., Virginia—Church—Bd. Trustees Peoples Congregational Church, receives bids about Jan. 15, building 2 story, 75 x 145 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation in South Virginia. About $110,000. C. F. Frybort, 502 5th St., archt. and engr.

Kan., Kansas City—Court House—Wyandotte Co. having plans prepared by Rose & Peterson, archts., Barker Bldg., Kansas City, for court house. Bond for $1,000,000 voted for project. Noted Sept. 30.

Kan., Pittsburg—Memorial—City election Dec. 16 to vote on $250,000 bonds to construct memorial building.

S. D., Mitchell—Music Store—Redfine Piano Co. plans to build 2 story, 25 x 80 ft. rein.-con. and brick. About $75,000. Architect not announced.

Mont., Billings—Church—Baptist Congregational Church raising funds to build church, on Division St. and 4th Ave. N. About $85,000. McIvor & Cohagen, 310 Electric Blk., archts.

Mo., Carthage—Soldiers Hall—Bd. Trustees plans to build soldiers hall. About $75,000. C. C. Kellogg, pres. Architect not selected.

Mo., Kansas City—Court House—Jackson Co. defeated $5,000,000 bond issue Nov. 2, for building court house. Noted Sept. 16.

Tex., Beaumont—Schools — City plans election to vote on $500,000 bonds to build schools.

Tex., Houston—Schools—City voted $150,000 bonds to build schools. A. E. Amerman, mayor. Noted Oct. 14.

Col., Grand Junction—Court House—Mesa Co. voted $150,000 bonds, and is having plans prepared by E. Groves, archt., Foster Bldg., Denver, for court house. Total cost about $200,000.

Col., Rifle—School—School Dist. 2 voted $100,000 bonds to build new school.

Col., Steamboat Spring—Court House—Routt Co. voted $98,000 bonds to build court house. C. A. Smith, co. comr.

Wash., Mt. Vernon—School—School Dist. plans to build 2 story, 120 x 190 ft., concrete, brick and stone. About $250,000. Stephen, Stephen & Brust, New York Bldg., Seattle, archts.

Wash., Yakima—Church—St. Pauls Parish plans to build 2 story, 47 x 124 ft., concrete. About $130,000. Beezer Bros., Seaboard Bldg., Seattle, archts.

Que., St. Lambert—Fire and Police Station—Town receives bids in December building and equipping fire and police station. About $150,000.

Ont., Ottawa—Club House—St. Anne's Parish plans to build 55 x 120 ft. parish club house and hall, on St. Patrick St. About $150,000. A. Myrand, Murray St., rector.

Ont., Belleville—College—Albert College plans to build 3 story, concrete, brick and steel, concrete flooring and foundation. About $500,000. Chapman, Oxley & Bishop, Harbor Bldg., Toronto, archts.

Ont., Kingston — Dormitories — Roman Catholic Church plans to build additions to dormitories of Regiopolis College. About $200,000. A. Spratt, rector. Architect not selected.

Ont., Ottawa—Fire Station—City plans to build 3 story fire station. About $100,000. A. F. Macallum, city engr. Architect not selected.

Ont., Ottawa—Hospital—Bd. Control receives bids early in 1921 for addition to Royal Ottawa Sanitarium, on Carling Ave. About $300,000. A. F. Macallum, city engr. Architect not selected. Noted Aug. 12.

Ont., Toronto—Skating Rink—Toronto Skating Club, Excelsior Life Bldg., plans to build 1 story, brick and steel, concrete foundation, on Dupont St. **About $200,000. Architect not selected.**

BIDS DESIRED

Mass., Boston—Municipal — Desmond & Lord, archts., 15 Beacon St., receiving bids building 4 story, 65 x 150 ft., brick and stone, in Hyde Park section, for city.

Mass., Boston—School—Schoolhouse Dept. receiving bids building 4 story, 220 x 250 ft., concrete, brick and steel, rein.-con. flooring concrete foundation, on Louis Pasteur Ave. About $1,000,000. J. E. McLaughlin, 88 Tremont St., archt.

Mass., Hyde Park (Boston P. O.)—Municipal—Until Dec. 14, by Pub. Bldg. Dept., constructing 3 story, 75 x 165 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on Central Ave. and Winthrop St. About $350,000. Desmond & Lord, 15 Beacon St., Boston, archts.

Mass., Worcester — Chapel — Sheehan & Colleary, archts., 120 Boylston St., Boston, receiving bids building 1 story, 49 x 100 ft., stone and steel, rein.-con. flooring, concrete foundation, on campus, for Holy Cross College. About $300,000. J. J. Carlin, pres. Noted Oct. 14.

Conn., Storrs (Eagleville P. O.)—Dormitory—Until Dec. 14, by Connecticut Agricultural College, building 3 story, 53 x 110 x 186 ft., concrete and brick, rein.-con. flooring, concrete foundation, on campus. About $335,000. D. K. Perry, 27 West Main St., New Britain, archt. Noted Oct. 28.

Conn., Waterbury — Armory — Military Emergency Bd., State Armory, Hartford, receiving competitive plans and will soon select architect to prepare plans for 4 story, brick, concrete and steel, on Field St., here. About $400,000. Noted Aug. 12.

N. Y., Brooklyn—Synagogue—Until Dec. 6, by Slee & Bryson, archts. and engrs., 154 Montague St., building 1 story, 60 x 85 ft., brick and stone, brick foundation, on Bay Parkway, for Congregation Beth Cholem, c/o architects. About $100,000.

N. Y., New York—Office—Densmore & LeClean, archts., 88 Broad St., Boston, receiving bids altering 5 story, brick and timber, on Water St., for Whittall & Co., 135 Front St. About $75,000.

N. J., Burlington—Temple—Until Nov. 27, by W. T. Arnold, archt. and engr., Meriden, Conn., building brick and stone, brick foundation, here, for Masonic Order of Burlington, 15 West Union St. About $300,000.

O., Akron—Y. M. C. A., 259 South Main St., receiving bids building 3 story, 60 x 130 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Summit and Perkins Aves. About $100,000. Harpster & Bliss, Nantucket Bldg., archts. Mayer & Valentine, Bangor Bldg., Cleveland, engrs. Noted Sept. 30.

O., Cleveland—Synagogue—Until Nov. 30, by M. Altschuld, archt., 5116 Woodland Ave., building 1 story, 58 x 60 ft., brick and steel, brick foundation on East 119th St. and Union Ave., for Mt. Pleasant congregation, c/o architect. About $75,000.

O., Lakewood (Cleveland P. O.)—High School—Until Dec. 13, by Bd. Educ., Warren Rd., building 3 story, 82 x 144 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Jackson Ave. About $350,000. G. W. Grill, clk. C. W. Hopkinson, Rose Bldg., Cleveland, archt. Noted Apr. 20.

O., Marietta—Bank and Office—Until Jan. 1, by Weary & Alford, archts., 1732 South Michigan Blvd., Chicago, building 11 story, 51 x 114 ft., rein.-con., tapestry brick, Bedford stone and terra cotta, rein.-con. flooring, concrete foundation, here, for Peoples Banking & Trust Co. About $750,000.

Ind., Wabash—Bank—Until Dec. 15, by Weary & Alford, archts., 1732 South Michigan Blvd., Chicago, building rein.-con., brick and stone, rein.-con. flooring, concrete foundation, here, for Wabash Natl. Bank. About $250,000.

Mich., Detroit—Library—Until Dec. 7, by Library Comn., Library Bldg., constructing 2 story, 60 x 100 ft., rein.-con., brick and steel, concrete foundation, on Mack Ave. About $75,000. J. B. Kennedy, pres. G. V. Pottle, 1044 David Whitney Bldg., archt. Noted July 29.

Mich., Detroit—Technical High School—Until Dec. 21, by Bd. Educ., 50 Bway., building 5 and 7 story, 250 x 350 ft. addition, rein.-con. brick and steel, rein.-con. flooring, concrete foundation, on 2nd Ave. and High St., to include separate gas engine laboratory and arch viaduct. Bids will be received on all or part of above project. About $2,500,000. Malcolmson, Higginbotham & Palmer, 405 Moffat Bldg., archts Noted March 11.

Ill., Chicago—Bank—Until Jan. 1, by C. Hatzfeld, archt.; 7 South Dearborn St., building 1 story, 59 x 125 ft., concrete and brick, rock and concrete foundation, on Milwaukee Ave. and Lawrence St., for Jefferson Park Natl. Bank, 4815 Malwaukee Ave. About $125,000.

Ill., Chicago — Church — S. M. Seator, archt., 35 North Dearborn St., receiving bids building 2 story, 110 x 125 ft., brick and concrete, concrete foundation, on Lakewood and Berwyn Aves., for North Shore Baptist Church, c/o architect. About $300,000. Noted April 1.

Ill., Waukegan — Hospital — Schmidt, Gardner & Martin, archts., 104 South Michigan Ave., Chicago, receiving bids building 2 story, 40 x 340 ft. hospital and 1 story, 25 x 90 ft. power house, rein.-con. and brick, concrete foundation, here, for Victory Memorial Hospital, c/o architects. About $300,000.

Ia., Pocahontas—School—Until Dec. 15, (change of date), by W. E. Hulse & Co., archts., 309 Securities Bldg., Des Moines, building 2 story, 56 x 110 ft., rein.-con., brick and stone, for Bd. Educ. About $100,000. F. Jensen, secy. Noted Oct. 21.

Minn., Duluth—Church—**Until Jan.** 2, by J. M. Davidson, chn. bldg. comn. United Protestant Church, building 2 story, 75 x 140 ft. rein.-con., brick and steel, concrete flooring and foundation, in Morgan Park. About $90,000. W. C. Agnew, Morgan Park, archt. and engr.

Ark., Hot Springs—Bath House—Until Dec. 4, by Woodmen of the World, 222½ Valley St., building 3 story, 95 x 120 ft. About $100,000. W. T. Bailey, 358 Beale Ave., Memphis, Tenn., archt.

Ark., Little Rock—Lodge—Until Jan. 1, by Mosaic Templars, 501 West 9th St., building 3 story, brick and terra cotta. About $100,000. W. T. Bailey, 358 Beale Ave., Memphis, Tenn., archt.

Col., Greeley—Hospital—Until Jan. 4, by Comrs. Weld Co., building 3 story, 40 x 130 ft., rein.-con., brick and steel addition, rein.-con. flooring, concrete foundation. About $110,000. W. N. Bowman Co., Central Savings Bank Bldg., Denver, archts.

Cal., Santa Monica—Theatre—Until Dec. 6, by D. W. Faucett, secy. Bd. Educ. High School Dist., furnishing labor and material building and finishing memorial open air theatre, on high school grounds. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Springfield—High School—School Comn. received bids building 3 story, concrete, brick and steel, rein.-con. flooring, concrete foundation, on State St., from A. E. Stephens Co., 318 Main St., $914,000; E. J. Penney Inc., 374 Main St., $986,400; F. T. Ley & Co., Inc., 499 Main St., $1,077,850. Above bids rejected. Will probably receive new bids. Noted Nov. 11.

★N. Y., New York—Office—L. C. Gillespie, 159 Front St., let contract altering 4 story, brick and stone, to Whitney Co., 101 Park Ave. About $80,000.

★N. Y., New York—Theatre—J. Cort, Cort Theatre, will alter brick and stone at 22 West 63rd St. About $75,000. Work will be done by day labor.

★N. Y., Valhalla—Institution—Community of St. Marys, c/o C. P. H. Gilbert, archt. and engr., 1 Madison Ave., New York City, let contract building Institution for Incorrigibles, brick, steel and stone, brick foundation, here, to E. J. Walsh, Peekskill. About $250,000.

★Md., Baltimore—School—City let contract building P. S. 112, 3 story, 46 x 150 ft., concrete, brick and steel, concrete foundation, on Laurens and Calhoun Sts., to J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $322,582. Noted Oct. 28.

★Fla., Clearwater—Church and Sunday School — Peace Memorial Presbyterian Church let contract building 1 story (with 3 domes and 1 tower), 40 x 95 ft. and 50 x 95 ft., rein.-con., tile, stucco and stone, to Frisbie & Walker, Dawson-Thornton Bldg., Tampa. Cost between $85,000 and $90,000; percentage basis.

Buildings (Continued)

★**O., Cincinnati**—Theatre and Office—B F. Keith, c/o Rapp & Rapp, archts., 190 North State St., Chicago, let contract building 12 story, 123 x 200 ft., rein.-con., brick, steel and terra cotta, rein.-con. flooring, concrete foundation, to Ohio Bldg. & Constr. Co., Burnet St. About $1,250,000.

★**O., Cleveland**—Bank—Cleveland Trust Co., East 9th St. and Euclid Ave., let contract remodeling bank, marble and terra cotta, on East 22nd St. and Woodland Ave., to G. A. Rutherford Co., 2779 Prospect Ave. About $75,000.

★**O., Cleveland**—Commercial—Park Furniture Co., 6303 Franklin Ave., let contract building 3 story, 56 x 107 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, at 3185 Bridge Ave., to P. Nenzil, 9715 Denison Ave. About $90,000.

★**O., Cleveland**—Market and Commecial—Woodland Ave. Market Corp., 5808 Woodland Ave., let contract building 2 story, 65 x 80 ft., brick and steel, brick foundation, at 7400 Woodland Ave., to M. Sadai, 2378 East 46th St. About $75,000. Noted Oct. 18.

★**O., Cleveland**—Restaurant—Euclid-East 17th Co., c/o J. Laronge, 214 Williamson Bldg., let contract remodeling 2 story, steel, at 1523 Euclid Ave., to Fleischman Constr. Co., 1836 Euclid Ave. About $75,000.

★**O., Cuyahoga Falls**—Exchange—Central Union Telephone Co., 33 North 3d St., Columbus, let contract building 2 story, 71 x 73 ft., rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, to Clemmer & Johnson Co., 406-07 Metropolitan Bldg., Akron. About $75,000. Noted Nov. 4.

Mich., Detroit — Engine House — Fire Comm., Wayne and Larned Sts., received bids Nov. 15, for masonry work building 2 story, 60 x 63 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Seven Mile Rd., from M. Bartholomaei & Son, 446 Warren Ave., $16,794, C. R. Schewe, 521 Chamber of Commerce, $48,156, Spicer & Shook, Sun Bldg., $50,000; carpentry work, from A. Hild, 680 Orleans St., $14,372 Winckler & Auch, 400 Penobscot Bldg., $14,430, C. Keller Co., 210 Moran St., $15,305. Noted Nov. 11.

★**Mich., Lansing**—High School—Bd. Educ. let contract building Junion High School, 3 story, 90 x 306 ft., rein.-con., brick and steel, on Jerome St., to Reniger Constr. Co., Lansing. About $250,000. Noted Aug. 12.

★**Wis., Amherst**—Bank and Office—International Bank of Amherst, let contract building 3 story, 60 x 115 ft., brick, rein.-con. and steel, concrete foundation, on East Main St., to H. P. Knutsen, Main St., Waupaca. About $75,000.

★**Wis., Sheboygan**—Hospital — St. Nicholas Hospital Assn., 1426 North 8th St., will build 3 story, 60 x 115 ft., brick, rein.-con. and steel, brick foundation, on 9th St. and Superior Ave. About $75,000. Work will be done by day labor Noted Sept. 9.

★**Mo., Kansas City**—Temple—Congregation B'Nai Jehudah, Linwood and Flora Sts., let contract building 2 story, 88 x 109 ft., rein.-con., brick and steel annex, brick and concrete foundaton, to Hoffman Constr. Co., Kansas City, Mo. About $150,000. Noted Oct. 28.

Federal Government Work

PROPOSED WORK

Pa., Phila.—Steel Dump Scows—U. S. Engineer, War Dept., Wash., D. C., rejected bids received Oct. 14, furnishing 2 steel dump scows, here. Noted Oct. 28.

D. C., Wash.—Buildings—J. S. Carson, Constr. Div., War Dept., opens bids about Jan. 15, constructing brick and stone army medical school buildings, at Walter Reed Hospital. About $1,000,000.

Va., Norfolk—Conduit, Dredging, etc.—U. S. Engineer, War Dept., Wash., D. C., rejected bids received Oct. 11, building conduit, etc., and dredging in Appomattox River, here. Noted Sept. 29.

Wash., Puget Sound—Nurses Quarters—Spec. 4293—Bureau Yards & Docks, Navy Dept., Wash., D. C., received no bids Nov. 17, building, here. Noted Oct. 28.

BIDS DESIRED

N. Y., Ft. Slocum—Repairing Plumbing and Heating Systems, etc.—Until Nov. 27, by Quartermaster, Recruit Depot, repairing plumbing and heating systems, plastering, sheet metal work, e.c., at Post Hospital Bldgs. Nos. 32-A and 93.

Pa., Phila.—Roofing and Repainting, etc.—Until Dec. 10, by Treas. Dept., Wash., D. C., building new roof, repainting, etc., at U. S. Mint, here. J. A. Wetmore, superv. archt.

D. C., Wash.—Smoke Stack—Until Dec. 6, by Treas. Dept., building smoke stack for boiler house of U. S. Public Service Hospital, 32 J. A. Wetmore, superv. archt.; advertised in this issue.

Va., Norfolk—Steam Distributing System—Spec. 4255—Until Dec. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here.

Ala., Florence—Hydraulic Turbine—Until Dec. 15, by U. S. Engineer, furnishing and delivering hydraulic turbine; advertised in this issue.

Ky., Covington—Alterations, Repairs, Plumbing, etc.—Until Dec. 16, by Treas. Dept., Wash., D. C., altering, repairing, plumbing, etc., here. J. A. Wetmore, superv. archt.

Ky., Louisville—Gate and Valve Operating Machinery—Until Dec. 15, by U. S. Engineer, furnishing and delivering for Lock No. 48, Ohio River; advertised in this issue.

Mich., Battle Creek—Mailing Vestibule—Until Dec. 10, by Treas. Dept., Wash. D. C., building mailing vestibule and installing wire screening, in Post Office, here, J. A. Wetmore, superv. archt.

Mich., Kalamazoo — Remodeling Post Office—Until Dec. 8, by Treas. Dept., Wash., D. C., remodeling, here. J. A. Wetmore, superv. archt.

Col., Denver—Frame Cottage—Until Nov. 29, by Dept. Interior, U. S. Recl. Serv., Wash., D. C., building 3 room frame cottage at Vandalia Dam, here.

Tex., Port Arthur—Radio Building—Spec. 4328—Until Dec. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing 1 story, 14 x 39 ft. radio building terra cotta stuccoed, concrete foundation, also 175 ft. structural steel self-supporting tower on concrete foundation. Noted Nov. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Chelsea—Alterations and Additions to Main Building, etc.—Spec. 4273—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 17, altering and building additions to solarium of main building and 1 story addition to heating plant, at Naval Hospital, here, (1) work complete, from Cunningham & Duncan Co., 31 Exch. St., Lynn, (1) $19,769, (2) deduct $360; B. J. Hickey, 335 East 149th St., New York City, (1) $22,395 (100 days). Noted Nov. 4.

★**R. I., Providence** — Remodeling Post Office, Court House and Custom Hous — Treas. Dept., Wash., D. C., let contract remodeling, here, to M. Serrato, 3 Tremont Row, Boston, $92,650. Noted Nov. 11.

★**N. Y., New York**—Restoration of Assay Office—Treas. Dept., Wash., D. C., let contract restoring damaged portion of U. S. Assay Office, here, to R. M. Brown, 350 Fulton St., Brooklyn, $46,214. Noted Nov. 18.

Pa., Allentown — Mezzanine Floor, etc. — Treas. Dept., Wash., D. C., received bids Nov. 16, building in Post Office, here, from W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $4,476; Garber & Cissell, Bethlehem, $4,700; G. E. Wright, Inc., Chicago, Ill., $5,175. Noted Nov. 4.

★**D. C., Wash.**—Cable Hangars—U. S. Engineer, War Dept., let contract furnishing cable hangars, to Fee & Mason, 81 Beekman St., New York City, $1,397. Noted Oct. 14.

★**D. C., Wash.**—Controller Devices—U. S. Engineer, War Dept., let contract furnishing 4 sets of controller devices for 5 h.p. motors, to Cutler-Hammer Mfg. Co., 50 Church St., New York City, $978.

★**D. C., Wash.**—Lead Cable—U. S. Engineer, War Dept., let contract furnishing rubber insulated lead covered cable, to Bishop Gutta Percha Co., 420 East 25th St., New York City, $28,137.

D. C., Wash.—Millwork—Treas. Dept. received bids for millwork, at Pub. Health Hospital, at Mt. Alto, (1) knock down, (2) assembled at mill, from Washington Woodworking Co., 200 12th St. N. W., (2) basement, 1st and 2nd floors, $4,050; Harbaugh Ross, 11th and G Sts., N. W., (2) $4,8[illegible] (2) $5,000; Amer. Woodworking Co., Uhler St., (1) $6,617, (2) $5,867.

★**D. C., Wash.**—Office and Laboratory—Spec. 4301—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing naval and experimental research laboratory building, railroad track extensions, also foundations for radial brick chimney, at Bellevue, here, to Boyle Robertson, Evans Bldg., $652,711. Noted Oct. 21.

★**D. C., Wash.**—Switchboard Feeder Panel—U. S. Engineer, War Dept., let contract furnishing 1 switchboard feeder panel to Western Electric Co., 195 Bway., New York City, $588. Noted Nov. 11.

D. C., Wash.—Terra Cotta—Treas. Dept. received bids furnishing terra cotta for Public Health Hospital Reservation, at Mt. Alto, from Asher Fire Proofing Co., Southern Bldg., $21,623; R. E. Milor, Woodward Bldg., $24,450; Natl. Eng & Contg. Corp., 16th and W Sts., $29,112.

Va., Ft. Myer—Plumbing, Heating, etc.—War Trade Bd., Room 2416, Wash., D. C., received bids for plumbing, heating and electric work in laundry building, here, (1) work complete, from Federal Heating Co., 310 13th St., N. W., Wash., D. C., (1) $33,957 (140 days), (2) $1,614, (3) $5,670, begin work in 10 days; Standard Eng. Co., 2129 Eye St., N. W., Wash., D. C., (1) $38,600 (140 days), (2) $1,950, (3) $5,600 (60 days); Biggs Eng. Co., 1310 14th St., N. W., Wash., D. C., (1) $40,857, (2) $1,646, (3) $4,900.

★**Va., Norfolk**—Quay Wall—Spec. 4306—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract building quay wall, here, to H. P. Converse & Co., 31st St. and Colonial Ave., $234,909 (300 days). Noted Nov. 11.

★**Va., Norfolk**—Dredging—U. S. Engineer, War Dept., Wash., D. C., let contract dredging Sects. 1 and 2, Appomattox River, here, to W. H. French Dredging & Wrecking Co., Arcade Bldg., $20,916. Noted Sept. 29.

Va., Quantico—Fence and Gate—Spec. 4316—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids building, at Marine Flying Field, here, (1) work complete, from Cyclone Fence Co., 403 Stock Exch. Bldg., Phila., Pa., (1) $6,930 (60 days), (2) $2.23; Wick Wire Spencer Steel Corp., 69 Hammond St., Worcester, Mass., (1) $7,424 (60 days); Wayne Iron Wks., 818 Commercial Trust Bldg., Phila., Pa., (1) $7,480 (60 days), (2) $2.45. Noted Oct. 21.

W. Va., South Charleston—Distributing System—Spec. 4294—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Nov. 3, installing direct current distributing centers in machine shop at U. S. Naval Ordnance Plant, here, (1) work complete, from Genl. Electric Co., River Rd., Schenectady, N. Y., (1) $14,565 (175 days), (2) $370 (135 days), (3) $24; Westinghouse Electric & Mfg. Co., 803 Hibbs Bldg., Wash., D. C., (1) $18,382 (140 days), (2) $137.85 (alternate, $165.34, alternate, $229.53), (3) $15. Noted Oct. 28.

★**La., New Orleans**—Steel Hull—U. S. Engineer, War Dept., Wash., D. C., let contract furnishing steel hull, for dredge "Grossette," here, to Nashville Bridge Co., foot of Shelby Ave., Nashville, Tenn., $23,400.

O., Akron—Extending Mailing Vestibule—Treas. Dept., Wash., D. C., received bids Nov. 15, building extensions to mailing vestibule, mezzanine floor, etc., in Post Office, here, from J. Devault, Massillon Rd., Canton, $14,531; W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $19,988; C. W. & P. Constr. Co., Akron, $20,014. Noted Oct. 21.

O., Cincinnati — Altering Attendants' Quarters, etc.—Treas. Dept., Wash., D. C., received bid Nov. 17, altering and repairing attendants' quarters also building composition flooring, in Marine Hospital, here, from D. Gordon Constr. Co., Burnet St. and Northern Ave., Avon, $1,970 and $3,000 respectively. Noted Nov. 11.

O., Portsmouth—Extending Mailing Vestibule—Treas. Dept., Wash., D. C., received bids Nov. 16, building extension to mailing vestibule, etc., in U. S. Post Office, here, from Donald Constr. Co., Odd Fellows Bldg., St. Louis, Mo., $12,777; Garber & Cissell, Bethlehem, Pa., $13,200. Noted Oct. 28.

Federal Government Work (Continued)

★**Cal., Mare Island**—Heating System—Spec. 4189—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing in structural shop at Navy Yard, here, to Scott Co., 243 Minna St., San Francisco, Cal., $41,380 (150 days). Noted Nov. 18.

Cal., Sacramento—Remodeling Post Office and Court House—Treas. Dept., Wash., D. C., received bids Nov. 17, remodeling, here, from Hillard & Pearce, San Francisco, (1) $37,900, (2) $3,789, (3) $2,000, (4) $6,000; W. Murcell, Oensner Bldg., (1) $47,533, (2) $5,376, (3) $1,710, (4) $5,067; I. M. Sommer, San Francisco, (1) $18,964, (2) $2,322, (3) $689, (4) $3,866. Noted Oct. 21.

★**Cal., San Francisco**—Borings—U. S. Engineer, War Dept., Wash., D. C., let contract for borings in Sacramento River, 3rd Dist., here, to Linscott Drilling Co., Balboa Bldg., $15,473.

★**Cal., San Francisco**—Dredging—U. S. Engineer, War Dept., Wash., D. C., let contract dredging 1st Dist. in Petaluma Creek, here, to Amer. Dredging Co., 255 California St., $35,910.

Miscellaneous

PROPOSED WORK

Conduit—Syracuse, N. Y.—City plans to build 19 mi. underground c.i. conduit from here to Skaneateles Lake, 30 in. pipe. About $3,000,000. H. C. Allen, City Hall, engr.

Incinerator—Hoboken, N. J.—City Comn. soon receives bids building incinerating plant. Cost to exceed $50,000.

Velodrome—Newark, N. J.—J. Mayers, 637 South Orange Ave., plans to build velodrome, with 25,000 seating capacity, and athletic field, heavy timber mill construction, at 637-681 South Orange Ave. About $250,000. L. Schlesinger, Inc., 27 Clinton St., archt.

Power Development—Spruce Pine, ... C.—D. W. Adams, Old Fort, plans hydro electric development on Toe River, near here. Cost several hundred thousand dollars.

Transmission Line—Greer, S. C.—City receives bids early part next year, building transmission line. About $30,000. J. A. Law, Spartanburg, engr.

Levee—Chattanooga, Tenn.—City plans to build levee system to eliminate floods. About $500,000. N. Wingfield, Chattanooga, engr.

Poles and Wire—East Cleveland (Cleveland P. O.), O.—City receives bids about Dec. 15, furnishing 1,000 electric light poles and electric wire. About 90,000. C. M. Osborn, city mgr.

Road Machinery — Green Lake, Wis. — Green Lake Co. appropriated $33,000 to purchase road machinery, to include gravel loaders, crushers, trucks, etc. D. C. Williams, comr.

Road Machinery — Lancaster, Wis. — Grant Co. appropriated $11,000 to purchase machinery, to include engine, large grader, 10 patrol graders, 10 road plows, 10 road drags and 10 drag scrapers. H. Mink, comr.

Portable Asphalt Plant—Milwaukee, Wis. Milwaukee Co. plans to purchase light portable asphalt plant. W. F. Cavenaugh, Pereless Bldg., comr.

Road Machinery — Phillips, Wis. — Price Co. Bd. appropriated $15,000 to purchase road machinery for 1921. B. M. Griffin, comr.

Road Machinery — West Bend, Wis. — Washington Co. appropriated $15,000 to purchase road machinery for 1921. C. J. Johnson, Kewaskum, comr.

Sea Wall—Aransas Pass, Tex. — City voted $225,000 bonds to build seawall. Noted Oct. 28.

Wharves and Port Improvements—Houston, Tex.—City defeated $1,425,000 bond issue for building wharves and improving port. A. E. Ammerman, mayor. Noted Oct. 15.

Tunnel, Dam and Ditches, etc.—Wellington, Col. — Wellington Reservoir Co., c/o L. E. Bishop, engr., 1st Natl. Bank Bldg., Denver, soon lets contract building 430 ft. rock outlet tunnel, valve and accessories; raising dam, placing 200,000 cu.yd. earth, 21,000 cu.yd. rock and 85,000 ft. piling; 4 ditches, 10,000 cu.yd. earth excav., 3,500 ft. metal flume, headworks, etc. About $400,000.

Shed—Portland, Ore.—Pub. Dock Comn. soon receives bids building shed on Pier 2, at Municipal Terminal No. 4. Former bids rejected.

Fire Hydrants—Ottawa, Ont.—City plans to expend $50,000 to purchase and install fire hydrants. A. F. Macallum, city engr.

Stone Quarry Equipment and Machinery—Ottawa, Ont.—City plans to expend $25,000 for stone quarry equipment and machinery, including crusher, derricks, etc. A. F. Macallum, city engr.

BIDS DESIRED

Refined Asphalt, Binder Stone, etc.—Brooklyn, N. Y.—Until Dec. 1, by E. Riegelmann, boro pres., furnishing and delivering 100,000 gal. refined asphalt, 50,000 asphalt paving blocks, 2½ in. deep, 1,700 cu.yd. binder stone, 1,000 cu.yd. 1½ in. gravel or broken stone, 1,000 cu.yd. paving sand.

Machinery—Jersey City, N. J.—Hudson Co. Blvd. Comn. receiving bids installing new and renovating old machinery in connection with Hudson Co. Blvd. Power Plant, cost $60,000; 2 new generators to cost $36,000. J. O'Connor, comr.

Water Tube Boilers and Equipment—Milwaukee, Wis.—Until Dec. 10, by Sewerage Comn., furnishing and building 4 horizontal water tube boilers and equipment. J. H. Fowles, secy.; advertised in this issue.

Wall—Chesterville, Ont.—Until Jan. 26, by A. I. Macdonell, clk Stormont Co., Cornwall, building rein.-con. retaining wall here, involving 500 cu.yd. excav., 1,500 cu.yd. grading, 400 cu.yd. mass concrete and 21 tons steel. About $20,000. J. C. Cameron, Cornwall, engr.

This Week

Bids are wanted on 109 jobs:

Buildings	35
Streets and roads	24
Federal Government	20
Water-works and sewers	6
Industrial works	2
Bridges	16
Miscellaneous	6

Contracts were let to the amount of $17,917,000:

Industrial works	$9,382,000
Buildings	3,092,000
Streets and roads	1,830,000
Government	1,194,000
Water-works and sewers	1,132,000
Bridges	191,000
Miscellaneous	1,096,000

Consider the above figures—not alone because of the amounts involved—but also because over one half of it is Industrial Works—a thought well worthy of the deepest consideration of every civil engineer and construction authority interested in the present opportunities in the field.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Asphalt—Mass., Boston**—City let contract furnishing 75,000 gallons winter patch asphalt, to The Barrett Co., 35 Wendell St., $0.21 per gal.

★**Tank—South Barre, Mass.**—Barre Wool Combing Co. let contract building 20 x 120 ft. rein.-con. storage tank, to H. P. Cummings Constr. Co., 14 Prospect St., Ware.

★**Stables—Topsfield, Mass.**—E. Wigglesworth, 234 Berkeley St., Boston, let contract building 1 story stable and barn, concrete, rein.-con. flooring, concrete foundation, here, to L. McAloon, North Andover. About $75,000.

★**Bulkhead—New York, N. Y.**—Lehigh Valley R.R., 143 Liberty St., let contract making necessary repairs to bulkheads along North River, to Barney-Ahlers, 110 West 40th St. About $100,000.

Paving Grits, etc.—New York, N. Y.—H. H. Curran, pres. Manhattan Boro., received bids Nov. 18, furnishing and delivering 400 cu.yd. pavig grits, from G. Eaton, 231 Pearl St., $1,600, Lenox Sand & Gravel Co., Hudson River and 157th St., $1,800; 100,000 gal. refined asphalt, from Standard Oil Co., 26 Bway., $10,220, Warner Quinlan Co., 79 Wall St., $10,500; 2,400 cu.yd. binder stone, from New York Trap Rock Co., 101 Park Ave., at $2.50 per cu.yd., total $6,000; 30,000 granite paving blocks, from J. Meehan & Son, 74 Cort St., $4,125, L. Liepold, $4,200, Booth Bros., 206 Bway., $4,500; 3,000 bags Portland cement, from J. P. Duffy Co., 207 East 138th St., $3,570, J. A. McCarthy, 551 Exterior St., $3,780 (each bid $0.25 for return of bags); 5 motor trucks, from Herman Motor Co., $13,724, J. Simmons Co., 2130 Bway., $15,500, Manhattan Mofors Co., 238 West 19th St., $17,039. Noted Nov. 11.

★**Improving Yard—Phila., Pa.**—City Transit, 1211 Chestnut St., let contract grading Bridge St. Yard, building concrete abutments, retaining walls and 10 column foundations, adjacent to Frankford Ave. and Bridge St., to T. Connor, 3329 North 5th St. About $49,000.

★**Foundations — Pittsburgh, Pa.** — St. Philomenas Catholic Church, c/o J. T. Comes, archt., Renshaw Bldg., let contract building brick and concrete foundations for 2 story, 80 x 90 ft. convent and 100 x 200 ft. school, on Forward St. and Beechwood Blvd., to J. H. McQuade & Sons, Bakewell Bldg. Total cost between $400,000 and $500,000.

★**Mausoleum—Denver, Col.**—Crown Hill Cemetery Assn., 2600 16th St., let contract building concrete, marble, brick and stucco mausoleum of 620 crypts, to Denver Community Mausoleum Assn., 835 Cooper Bldg. About $112,000.

★**Mausoleum—Trinidad, Col.**—I. Iaelo and R. A. Hall let contract building concrete and marble community mausoleum, here, to Denver Community Mausoleum Assn., 835 Cooper Bldg., Denver. About $108,000.

★**Lumber — Portland, Ore.**—Pub. Dock Comn. let contract for 188,200 ft. of lumber for bulk ore storage bunkers at Municipal Terminal No. 4, to Inman Poulsen Lumber Co., foot of East Caruthers St., $30 per M.

★**Portland Cement** — San Diego, Cal. — Common Council let contract furnishing 25,000 bbl. Portland cement for Barrett Dam, f.o.b. here, to U. S. Potash Co., 608 Hibernian Bldg., Los Angeles, $4.20 per bbl. Noted Nov. 18.

OFFICIAL PROPOSALS

Bids: Dec. 10.

Road Construction

Tallahassee, Fla.

Sealed proposals will be received by the State Road Department of Talahassee, Florida up to 4 o'clock p.m., on the 10th day of December, 1920, for the improvement and completion of a section of State Road No. 1, beginning at Lake City and extending east to the Baker County line, being approximately 9.9 miles in length.

The proposed improvement involves approximately:

104,415 sq.yd. Rock Base Course, 18 ft. wide;
92,814 sq.yd. Bituminous Macadam or Asphalt Wearing surface, 16 ft. wide;
Drainage Structures, 16 culverts, from 15" x 15" to 8' span, requiring 104.7 cu.yd. Class "A" concrete; 20.0 cu.yd. Class "B" concrete;
5,380 pounds Steel Reinforcement.

All rock used in the base course to be furnished by the State Road Department, f.o.b. Lake City and such other stations as may be established along the S. A. L. Ry. for this construction.

Proposals will be considered as follows:

(a) For Rock Base, complete in place.
(b) For Bituminous or Asphaltic Wearing Surface, complete in place.
(c) For Drainage Structures, complete in place.
(d) For Completed Pavement, including Drainage Structures, Rock Base course, and Bituminous or Asphaltic Wearing Surface, all as provided for in the plans and specifications for the proposed improvement.

Maps, plans, specifications and estimates are on file at the office of the State Road Department, Tallahassee, Florida, for examination, and Proposal Forms may be obtained upon application to the State Highway Engineer.

The right is reserved to reject any or all bids.

All proposals must be accompanied with a certified check, made payable to Forrest Lake, Chairman, State Road Department, in the sum of five (5) per cent of the proposal, as evidence of good faith and entering into contract by the party to whom the work may be awarded.

Any bidder who shall, after fifteen (15) days' notice being given of the acceptance of his or their proposal or proposals, fail to execute the contract and furnish the required bond shall forfeit his or their claim to the work, and his or their certified check shall be retained and used by the State of Florida as liquidated damages.

STATE ROAD DEPARTMENT
FORREST LAKE, Chairman.
CHAS. A. BROWNE,
State Highway Engineer.
November 9th, 1920.

Bids: Dec. 14.

Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS
Albany, N. Y.

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, December 14th, 1920, at which place and hour they will be publicly opened and read, for the construction of Barge canal terminals pursuant to the provisions of Chapter 746 of the Laws of 1911 and amendatory laws, and Chapter 402 of the Laws of 1920, as follows:

TERMINAL CONTRACT NO. 53-A Revised.

For constructing certain portions of the dockwall around Ohio Basin, Buffalo.

Contract plans, sheets 1-7.

Plans may be seen and detailed specifications, engineer's estimates of quantities, proposal blanks, forms of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city of Albany or New York, issued by a national or state bank or trust company in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposit of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The bond required for the faithful performance of each contract shall be in such sum as shall be fixed by the Superintendent of Public Works, which sum shall not be less than twenty per centum (20 per cent) of the estimated cost of the work, according to the contract price, and an additional bond known as the labor bond, in the sum of ten per centum (10 per cent) of the amount of the estimated cost of the work according to the contract price will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the state for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the state will be enhanced thereby.

EDWARD S. WALSH,
Superintendent of Public Works.
November 9th, 1920.

The publication of an advertisement on this page is an official notice that bids are wanted from other than local bidders.

It is also a guarantee that maximum competition is invited because Engineering News-Record is the *one* nationally recognized medium for Proposal advertising. Its Searchlight Section is read each week by nearly every worth-while contractor in this country who bids on public work outside his own city.

Official Proposals reaching our office in first mail Wednesday morning (9 o'clock) can usually be published in the issue out the next day. Special price for Official Proposals, 40 cents a line.

Bids: Nov. 30.

Reservoir and Tank

Alma, Mich.

Sealed proposals will be received by the undersigned at the City Hall in the City of Alma, Mich., at 5 o'clock p.m., on Tuesday, the 30th day of November, 1920, for the furnishing of one elevated tank of 150,000-gallon capacity, mounted on a 140-ft. steel tower, with an alternate bid on a 200,000-gallon tank mounted the same. One 1,000,000-gallon reservoir to be constructed of either steel or reinforced concrete, of such dimensions as have proved practical and will best fit in for the service intended; namely, of impounding water for emergency purposes and not to give an excessive head. The elevated tank shall be of the latest approved design and type and shall pass the inspection and requirements of the National Board of Fire Underwriters; it shall be provided with at least a 12-in. discharge pipe sufficiently protected against freezing. The whole structure shall be proportioned to safely withstand the following forces acting separately or in combination: Weight of the water in the tank, weight of the structure, and wind stresses incurred by a hurricane blowing at the rate of 100 miles per hour from any direction.

Complete detail specification shall accompany each bid.

Before contracts are awarded for any of the improvements advertised above the successful bidder will be required to furnish evidence that he can secure deliveries of all necessary materials, and that he can progress and finish the contract promptly.

A certified check for 5 per cent of the amount of the bid will be required.

The right is reserved to reject any or all bids.

W. E. REYNOLDS, City Manager

Bids: Dec. 10.

Bridge Construction

Tallahassee, Fla.

Sealed proposals will be received by the State Road Department at Tallahassee, Florida, up to 5 o'clock p.m. on the 10th day of December, 1920, for the construction of a bridge, on State Road No. 2, over the Suwanee River, near White Springs, Florida.

The proposed structure consists of a through Steel Truss, 228 feet c. to c. pins, on reinforced concrete abutments with a clear roadway of 20 feet.

The proposed improvement involves approximately:

3,480 lin.ft. Wood Foundation Piling;
503 cu.yd. Class "A" Concrete;
34,500 pounds Steel reinforcement;
410,000 pounds Structural Steel;
15,200 pounds Cast Steel Plates, rollers, etc.
456 lin.ft. Hand Rail.

Plans and specifications are on file at the office of the State Road Department, Tallahassee, Florida, for examination, and may be obtained upon application to the State Highway Engineer for the sum of $10.00. When returned with a bonafide bid $5.00 will be returned to the bidder.

Proposals may be submitted as follows:

(a) On substructure, complete in place.
(b) On Steel Superstructure, complete in place.
(c) On completed bridge as provided for in the plans and specifications.

The right is reserved to reject any or all bids.

All proposals must be accompanied with a certified check, made payable to Forrest Lake, Chairman, State Road Department, in the sum of five (5) per cent of the proposal, as evidence of good faith and entering into contract by the party to whom the work may be awarded.

Any bidder who shall, after fifteen (15) days' notice being given of the acceptance of his or their proposal or proposals, fail to execute the contract and furnish the required bond shall forfeit his or their claim to the work, and his or their certified check shall be retained and used by the State of Florida as liquidated damages.

STATE ROAD DEPARTMENT
FORREST LAKE, Chairman.
CHAS. A. BROWNE,
State Highway Engineer.
November 9th, 1920.